

Index-MSDA, Bureau

LIBRARY
STATE PLANT BOARD

d
new

Issued November 2, 1911.

U. S. DEPARTMENT OF AGRICULTURE,
BUREAU OF ENTOMOLOGY—CIRCULAR No. 100.

L. O. HOWARD, Entomologist and Chief of Bureau.

AN INDEX TO CIRCULARS 1 TO 100 OF THE BUREAU OF ENTOMOLOGY.

BY

ROLLA P. CURRIE AND ANDREW N. CAUDELL.

4844°—Cir. 100—11—1

WASHINGTON : GOVERNMENT PRINTING OFFICE : 1911.

SB
823
A33

BUREAU OF ENTOMOLOGY.

L. O. HOWARD, *Entomologist and Chief of Bureau.*

C. L. MARLATT, *Entomologist and Acting Chief in Absence of Chief.*

R. S. CLIFTON, *Executive Assistant.*

W. F. TASTET, *Chief Clerk.*

F. H. CHITTENDEN, *in charge of truck crop and stored product insect investigations.*

A. D. HOPKINS, *in charge of forest insect investigations.*

W. D. HUNTER, *in charge of southern field crop insect investigations.*

F. M. WEBSTER, *in charge of cereal and forage insect investigations.*

A. L. QUAINSTANCE, *in charge of deciduous fruit insect investigations.*

E. F. PHILLIPS, *in charge of bee culture.*

D. M. ROGERS, *in charge of preventing spread of moths, field work.*

ROLLA P. CURRIE, *in charge of editorial work.*

MABEL COLCORD, *in charge of library.*

United States Department of Agriculture,

BUREAU OF ENTOMOLOGY.

L. O. HOWARD, Entomologist and Chief of Bureau.

AN INDEX TO CIRCULARS 1 TO 100 OF THE BUREAU
OF ENTOMOLOGY.

By ROLLA P. CURRIE and ANDREW N. CAUDELL.

The first circular of the present series, or what was formerly known as the second series, of the Bureau of Entomology was issued in 1891, while Circular 99 was issued in 1908. The circulars of the first series, something over 40 in number, were nearly all merely circular letters and had only a temporary value. Very few of these first-series circulars are now known to exist, and even the titles of most of them are now unknown.

While some of the circulars of the present, or second, series were in the nature of emergency circulars, and were therefore soon discontinued or superseded, yet very many others were popular summaries, containing in condensed form all the important data available concerning the particular insects discussed. They have therefore a distinct value to the student and worker in economic entomology as well as to the farmer, forester, horticulturist, and general reader. Many of the insects treated have not yet been made the subjects of bulletins or been considered in other publications of the department, and much information contained in these circulars is therefore not to be found elsewhere.

To make this information more easily available and to prevent it from being overlooked, the present index has been prepared, and it is hoped that it will be of use to all who read or consult the circulars of the bureau.

For convenience the index itself is preceded by a list of circulars 1 to 100, with their revisions. This list may be considered as complete and final, since the policy of issuing revised editions of circulars, i. e., under the original serial number, has been discontinued and no more such will be published.

Where circulars have gone through one or more revised editions the latest edition is the one indexed.

LIST OF CIRCULARS 1 TO 100 OF THE BUREAU OF ENTOMOLOGY.

No. 1. Condensed information concerning some of the more important insecticides. pp. 7. May, 1891.

No. 2. The hop plant-louse [*Phorodon humuli* Schr.] and the remedies to be used against it. pp. 7, figs. 5, pl. 1. June, 1891.

No. 3. An important enemy to fruit trees. The San Jose scale [*Aspidiotus perniciosus* Comst.]: Its appearance in the eastern United States; measures to be taken to prevent its spread and to destroy it. By L. O. Howard. pp. 10, figs. 5. April 4, 1893.

No. 4. The army worm (*Leucania unipuncta* Haw.). By L. O. Howard. pp. 5, figs. 3. June 16, 1894.

No. 5. The carpet beetle or "Buffalo moth" (*Anthrenus scrophulariae* L.). By L. O. Howard. pp. 4, fig. 1. September 8, 1894.

Same, revised edition. pp. 4, fig. 1. Issued August 10, 1908.

No. 6. The Mexican cotton-boll weevil (*Anthonomus grandis* Boh.). By L. O. Howard. pp. 5, figs. 3. April 2, 1895.

Same, Spanish edition. pp. 6, figs. 2. April 2, 1895.

No. 7. The pear-tree psylla (*Psylla pyricola* Foerst.). By C. L. Marlatt. pp. 8, figs. 6. May 1, 1895.

No. 8. The imported elm leaf-beetle (*Galerucella luteola* Müll.; *Galeruca xanthomelana* Schrank). By C. L. Marlatt. pp. 4, fig. 1. May 23, 1895.

Same, revised edition. pp. 6, fig. 1. Issued September 22, 1908.

No. 9. Cankerworms [*Paleacrita vernata* Peck and (*Anisopteryx*) *Alsophila pometaria* Harr.]. By D. W. Coquillett. pp. 4, figs. 4. May 24, 1895.

No. 10. The Harlequin cabbage bug, or calico back (*Murgantia histrionica* Hahn). By L. O. Howard. pp. 2, fig. 1. May 24, 1895.

No. 11. The rose-chafer [*Macrodactylus subspinosus* Fab.]. By F. H. Chittenden. pp. 4, fig. 1. May 21, 1895.

Same, revised. pp. 4, fig. 1. Issued July 6, 1909.

No. 12. The Hessian fly (*Cecidomyia destructor* Say). By C. L. Marlatt. pp. 4. July 26, 1895.

Same, revised edition. pp. 4. April 13, 1900. (Superseded by No. 70.)

No. 13. Mosquitoes and fleas. By L. O. Howard. pp. 4. February 1, 1896.

Same, revised edition. November 15, 1897.

No. 14. (Revision of No. 6.) The Mexican cotton-boll weevil (*Anthonomus grandis* Boh.). By L. O. Howard. pp. 8, figs. 5. February 12, 1896.

Same, Spanish edition. pp. 8, figs. 5. May 18, 1896.

No. 15. General work against insects which defoliate shade trees in cities and towns. By L. O. Howard. pp. 4. March 6, 1896. (In advance from an article entitled "The shade-tree insect problem in the eastern United States," to be published in the Yearbook of the department for 1895.)

No. 16. The larger corn stalk-borer (*Diatraea saccharalis* Fab.). By L. O. Howard. pp. 3, figs. 3. August 13, 1896.

No. 17. The peach-tree borer (*Sannina exitiosa* Say). By C. L. Marlatt. pp. 4, fig. 1. September 30, 1896. (Superseded by No. 54.)

No. 18. (Revision of No. 14.) The Mexican cotton-boll weevil (*Anthonomus grandis* Boh.). By L. O. Howard. pp. 8, figs. 5. February 4, 1897.

Same, Spanish edition. pp. 10.

Same, German edition. pp. 11.

No. 19. The clover mite (*Eryobia pratensis* Garman). By C. L. Marlatt. pp. 4, fig. 1. March 5, 1897.

Same, second edition. pp. 4, fig. 1. July 19, 1897.

No. 20. The woolly aphis of the apple (*Schizoneura lanigera* Hausmann). By C. L. Marlatt. pp. 6, figs. 2. March 15, 1897.

Same, revised edition. pp. 6, figs. 2. June 23, 1908.

No. 21. The strawberry weevil (*Anthonomus signatus* Say). By F. H. Chittenden. pp. 7, figs. 4. March 18, 1897.

Same, revised edition. pp. 10, figs. 5. Issued September 19, 1908.

No. 22. The periodical cicada in 1897. By E. A. Schwarz. pp. 4. May 1, 1897.

No. 23. The buffalo tree-hopper (*Ceresa bubalus* Fab.). By C. L. Marlatt. pp. 4, figs. 2. May 10, 1897.

No. 24. The two-lined chestnut borer (*Agrilus bilineatus* Weber). By F. H. Chittenden. pp. 8, fig. 1. July 14, 1897.

Same, revised edition. pp. 7, fig. 1. Issued January 20, 1909.

No. 25. The ox warble (*Hypoderma lineata* Villers). By C. L. Marlatt. pp. 10, figs. 10. July 19, 1897.

No. 26. The pear slug (*Eriocampoides limacina* Retzius). By C. L. Marlatt. pp. 7, figs. 4. August 28, 1897.

No. 27. The Mexican cotton-boll weevil in 1897. By L. O. Howard. pp. 7. December 31, 1897.

No. 28. The box-elder plant-bug (*Leptocoris trivittatus* Say). By L. O. Howard. pp. 3, fig. 1. January 8, 1898.

No. 29. The fruit-tree bark-beetle (*Scolytus rugulosus* Ratz.). By F. H. Chittenden. pp. 8, figs. 5. March 25, 1898.

Same, revised edition. March 25, 1903.

No. 30. The periodical cicada in 1898. By E. A. Schwarz. pp. 3. April 1, 1898.

No. 31. The striped cucumber beetle (*Diabrotica vittata* Fab.). By F. H. Chittenden. pp. 7, figs. 2. April 26, 1898.

Same, revised edition. pp. 6, figs. 2. June 9, 1903.

Same, second revision. pp. 8, figs. 2. Issued May 22, 1909.

No. 32. The larger apple-tree borers. By F. H. Chittenden. pp. 12, figs. 3. July 1, 1898.

Same, revised edition. pp. 12, figs. 3. August 30, 1902.

Same, second revise. pp. 11, figs. 3. April 8, 1905.

Same, third revise. pp. 11, figs. 3. Issued December 10, 1907.

No. 33. Remedial work against the Mexican cotton-boll weevil. By L. O. Howard. pp. 6. July 1, 1898. (Supplementary to circulars 18 and 27.)

No. 34. Houseants (*Monomorium pharaonis* et al.). By C. L. Marlatt. pp. 4, figs. 3. July 6, 1898.

Same, revise. pp. 4, figs. 3. Issued June 12, 1907.

No. 35. House flies (*Musca domestica* et al.). By L. O. Howard. pp. 8, figs. 6. July 11, 1898. (Superseded by No. 71.)

No. 36. The true clothes moths (*Tinea pellionella* et al.). By C. L. Marlatt. pp. 8, figs. 3. July 18, 1898.

Same, revise. pp. 8, figs. 3. Issued January 15, 1908.

No. 37. The use of hydrocyanic-acid gas for fumigating greenhouses and cold frames. By Albert F. Woods and P. H. Dorsett. pp. 10, figs. 3. January 10, 1899.

Same, corrected print. (Compare page 8.) pp. 10, figs. 3. January 10, 1899.

Same, revised edition. pp. 10, figs. 3. October 2, 1903.

Same, second revise. pp. 11, figs. 3. Issued April 3, 1908.

No. 38. The squash-vine borer (*Melittia satyriniformis* Hbn.). By F. H. Chittenden. pp. 6, figs. 2. April 22, 1899.

Same, revised edition. pp. 6, figs. 2. November 19, 1903.

Same, second revise. pp. 6, figs. 2. Issued September 3, 1908.

No. 39. The common squash bug (*Anasa tristis* De G.). By F. H. Chittenden. pp. 5, figs. 3. May 5, 1899.

Same, revised edition. pp. 5, figs. 3. March 23, 1905.

Same, second revise. pp. 5, figs. 3. Issued July 28, 1908.

No. 40. How to distinguish the different mosquitoes of North America. By L. O. Howard (with "Synoptic tables of the North American mosquitoes," by D. W. Coquillett). pp. 8, figs. 3. February 20, 1900.

No. 41. Regulations of foreign governments regarding importation of American plants, trees, and fruits. By L. O. Howard. pp. 4. August 24, 1900.

No. 42. How to control the San Jose scale. By C. L. Marlatt. pp. 6. October 22, 1900.

Same, revised. pp. 6. May 17, 1902.

Same, second edition. May 26, 1902. .

Same, third edition. April 6, 1903.

Same, fourth edition. pp. 8. March 10, 1906.

Same, fifth edition. pp. 7. [March 31] 1909.

No. 43. The destructive green pea louse (*Nectarophora destructor* Johns.). By F. H. Chittenden. pp. 8, figs. 3. May 23, 1901.

Same, second edition [entitled "The pea aphis (*Macrosiphum pisi* Kalt.)"]. pp. 10, figs. 7. Issued February 25, 1909.

No. 44. The periodical cicada in 1902. By W. D. Hunter. pp. 4, figs. 2. March 13, 1902.

No. 45. A new nomenclature for the broods of the periodical cicada. By C. L. Marlatt. pp. 8. May 1, 1902.

No. 46. Hydrocyanic-acid gas against household insects. By L. O. Howard. pp. 6. June 22, 1902.

Same, revised edition. pp. 7. Issued February 20, 1907. Revised by C. L. Marlatt.

No. 47. The bedbug (*Cimex lectularius* Linn.). By C. L. Marlatt. pp. 8, figs. 3. June 15, 1902.

Same, revised edition. pp. 8, figs. 3. Issued February 26, 1907.

No. 48. The house centipede (*Scutigera forceps* Raf.). By C. L. Marlatt. pp. 4, figs. 2. June 10, 1902.

No. 49. The silver fish (*Lepisma saccharina* Linn.). By C. L. Marlatt. pp. 4, figs. 2. June 20, 1902.

No. 50. The white ant (*Termes flavipes* Koll.). By C. L. Marlatt. pp. 8, figs. 4. June 30, 1902.

Same, revised edition. pp. 8, figs. 4. Issued January 27, 1908.

No. 51. Cockroaches. By C. L. Marlatt. pp. 15, figs. 5. June 23, 1902.

Same, revised. pp. 14, figs. 5. Issued June 23, 1908.

No. 52. The lime, sulphur, and salt wash. By C. L. Marlatt. pp. 8. February 20, 1903.

Same, second edition. March 18, 1904.

No. 53. The yellow-winged locust (*Camnula pellucida* Scudd.). By C. B. Simpson. pp. 3, fig. 1. May 12, 1903.

No. 54. The peach-tree borer (*Sannina exitiosa* Say). By C. L. Marlatt. pp. 6, fig. 1. October 19, 1903.

No. 55. Powder-post injury to seasoned wood products. By A. D. Hopkins. pp. 5, fig. 1. November 20, 1903.

No. 56. The most important step in the cultural system of controlling the boll weevil. By W. D. Hunter. pp. 7. October 10, 1904. (Superseded by No. 95.)

No. 57. The greenhouse white fly (*Aleyrodes vaporariorum* Westw.). By A. W. Morrill. pp. 9, fig. 1. February 15, 1905.

No. 58. Report on the gypsy moth and the brown-tail moth, July, 1904. By C. L. Marlatt. pp. 12, pl. 1, map 1. March 21, 1905.

No. 59. The corn root-worms. By F. H. Chittenden. pp. 8, figs. 3. March 23, 1905.

No. 60. The imported cabbage worm (*Pontia rapæ* Linn.). By F. H. Chittenden. pp. 8, figs. 6. April 28, 1905.

No. 61. Black check in western hemlock. By H. E. Burke. pp. 10, figs. 5. May 24, 1905.

No. 62. The cabbage hair-worm. By F. H. Chittenden. pp. 6, fig. 1. May 17, 1905.

Same, revised edition. pp. 6, fig. 1. Issued July 28, 1908.

No. 63. Root-maggots and how to control them. By F. H. Chittenden. pp. 7, figs. 5. June 6, 1905.

Same, second edition. pp. 7, figs. 5. February 12, 1906.

No. 64. The cottony maple scale (*Pulvinaria innumerabilis* Rathvon). By J. G. Sanders. pp. 6, figs. 4. September 7, 1905.

No. 65. The cotton red spider (*Tetranychus gloveri* Bks.). By E. S. G. Titus. pp. 5, figs. 2. October 30, 1905.

No. 66. The joint-worm (*Isosoma tritici* Fitch). By F. M. Webster. pp. 5, figs. 5. October 20, 1905.

Same, revised edition. pp. 7, figs. 6. Issued September 21, 1908.

No. 67. The clover root-borer (*Hylastinus obscurus* Marsham). By F. M. Webster. pp. 5, figs. 4. December 28, 1905.

No. 68. The tobacco thrips and remedies to prevent "white veins" in wrapper tobacco (*Euthrips nicotianæ* Hinds). By W. A. Hooker. pp. 5, figs. 2. February 26, 1906.

No. 69. Some insects affecting the production of red clover seed. By F. M. Webster. pp. 9, figs. 8. April 12, 1906.

No. 70. The Hessian fly (*Mayetiola [Cecidomyia] destructor* Say). By F. M. Webster. pp. 16, figs. 16. April 14, 1906.

No. 71. (Revision of Circular No. 35.) House flies (*Musca domestica* et al.). By L. O. Howard. pp. 9, figs. 9. March 27, 1906.

Same, revised edition. pp. 10, figs. 9. September 21, 1906.

No. 72. Key to the known larvae of the mosquitoes of the United States. By Harrison G. Dyar. pp. 6, fig. 1. April 27, 1906.

No. 73. The plum curculio (*Conotrachelus nenuphar* Herbst). By Fred Johnson and A. A. Girault. pp. 10, figs. 5. April 14, 1906.

No. 74. The periodical cicada in 1906. By C. L. Marlatt. pp. 5, figs. 3. April 16, 1906.

No. 75. Requirements to be complied with by nurserymen or others who make interstate shipments of nursery stock. By A. F. Burgess. pp. 6. July 5, 1906.

Same, revised edition. pp. 7. Issued July 24, 1908.

Same, second revision. pp. 9. Issued August 7, 1909.

No. 76. List of publications of the Bureau of Entomology. Compiled by Mabel Colcord. pp. 21. September 24, 1906.

Same, revised to March 1, 1908. pp. 28.

Same, revised to May 1, 1909. pp. 29.

Same, revised to February 1, 1910. pp. 32.

No. 77. Harvest mites, or "chiggers." By F. H. Chittenden. pp. 6, figs. 3. September 29, 1906.

No. 78. The slender seed-corn ground-beetle (*Clivina impressifrons* Lec.). By F. M. Webster. pp. 5, figs. 2. October 4, 1906.

No. 79. The brood diseases of bees. By E. F. Phillips. pp. 5. October 3, 1906.

No. 80. The melon aphid (*Aphis gossypii* Glov.). By F. H. Chittenden. pp. 16, figs. 6. November 14, 1906.

No. 81. The aphides affecting the apple. By A. L. Quaintance. pp. 10, figs. 8. Issued March 9, 1907.

No. 82. Pinhole injury to girdled cypress in the South Atlantic and Gulf States. By A. D. Hopkins. pp. 4, fig. 1. Issued January 2, 1907.

No. 83. The locust borer [*Cyllene robiniae* Forst.] and methods for its control. By A. D. Hopkins. pp. 8, figs. 4. Issued February 19, 1907.

No. 84. The grasshopper problem and alfalfa culture. By F. M. Webster. pp. 10, figs. 8. Issued April 6, 1907.

No. 85. The spring grain-aphis (*Toxoptera graminum* Rond.). By F. M. Webster. pp. 7, figs. 3. Issued March 29, 1907. (See also No. 93.)

No. 86. The corn leaf-aphis [*Aphis maidis* Fitch] and corn root-aphis [*Aphis maidis radicis* Forbes]. By F. M. Webster. pp. 13, figs. 4. Issued May 6, 1907.

No. 87. The Colorado potato beetle (*Leptinotarsa decemlineata* Say). By F. H. Chittenden. pp. 15, figs. 6. Issued June 3, 1907.

No. 88. The terrapin scale (*Eulecanium nigrofasciatum* Pergande). By J. G. Sanders. pp. 4, figs. 3. Issued May 14, 1907.

No. 89. The periodical cicada in 1907 (*Tibicen septendecim* L., race *tredecim* Walsh-Riley). By C. L. Marlatt. pp. 4, figs. 3. Issued May 14, 1907.

No. 90. The white-pine weevil [*Pissodes strobi* Peck]. By A. D. Hopkins. pp. 8, figs. 6. Issued June 18, 1907.

No. 91. Note on the occurrence of the North American fever tick [*(Boophilus) Margaropus annulatus* Say] on sheep. By W. D. Hunter. pp. 3. Issued July 3, 1907.

No. 92. Mites and lice on poultry. By Nathan Banks. pp. 8, figs. 6. Issued September 25, 1907.

No. 93. The spring grain-aphis or so-called "green bug" (*Toxoptera graminum* Rond.). By F. M. Webster. pp. 18, figs. 7. Issued August 22, 1907.

Same, revised. pp. 22, figs. 10. Issued June 23, 1909.

No. 94. The cause of American foul brood [*Bacillus larvæ*]. By G. F. White. pp. 4. Issued July 29, 1907.

No. 95. (Revision of Circular No. 56.) The most important step in the control of the boll weevil [*Anthonomus grandis* Boh.]. By W. D. Hunter. pp. 8. Issued October 3, 1907.

Same, revised edition. pp. 8. Issued September 21, 1908.

Same, French edition. pp. 11. Issued January 21, 1909.

No. 96. The catalpa sphinx (*Ceratomia catalpæ* Bdv.). By L. O. Howard and F. H. Chittenden. pp. 7, figs. 2. Issued December 16, 1907.

No. 97. The bagworm (*Thyridopteryx ephemeraeformis* Haw.). By L. O. Howard and F. H. Chittenden. pp. 10, figs. 11. Issued February 6, 1908.

No. 98. The apple-tree tent caterpillar (*Malacosoma americana* Fab.). By A. L. Quaintance. pp. 8, figs. 4. Issued January 28, 1908.

No. 99. The nut weevils. By F. H. Chittenden. pp. 15, figs. 14. Issued March 6, 1908.

No. 100. An index to Circulars 1 to 100 of the Bureau of Entomology. By Rolla P. Currie and Andrew N. Caudell. pp. i-ii, 1-49. Issued October —, 1911.

INDEX.

[Two numbers joined by a dash, as 1-39, indicate that the subject is treated continuously throughout the pages noted.]

	Circular No.	Page.	Figure.
A.			
<i>Abies grandis</i> . (See Fir, lowland.)			
<i>lasiocarpa</i> . (See Fir, Alpine.)			
<i>Ablerus clisiocampz</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>Acalypha</i> , food plant of <i>Aphis gossypii</i>	80	5	
<i>Acanthia lectularia</i> . (See Bedbug.)			
<i>Acer negundo</i> . (See Box elder.)			
<i>saccharinum</i> , food plant of <i>Eulecanium nigrofasciatum</i>	88	2	
<i>Pulvinaria innumerabilis</i>	64	2	
<i>Achillea millefolium</i> , flowers, food of <i>Anthrenus scrophulariae</i>		5, rev.	
<i>Acholla multispinosa</i> , probable enemy of <i>Balaninus proboscideus</i> and			
<i>B. rectus</i>	99	6	
<i>Adalia bipunctata</i> , enemy of aphides.....	81	8	
<i>Macrosiphum pisii</i>	43, ed. 2	5	
<i>Psylla pyricola</i>	7	7	
<i>Adiantum ballii</i> , fumigation with hydrocyanic-acid gas.....		37, rev. 2	
<i>cuneatum</i> , fumigation with hydrocyanic-acid gas.....		37, rev. 2	
<i>Aëdes atlanticus</i> , distinctive characters of larva.....	72	4	
distinctive characters of genus, adults.....	40	4	
<i>fuscus</i> , distinctive characters of adult.....	40	7	
larva.....	72	4	
<i>grossbecki</i> , distinctive characters of larva.....	72	6	
<i>infirmatus</i> , distinctive characters of larva.....	72	5	
<i>quayleii</i> , distinctive characters of larva.....	72	6	
<i>sapphirinus</i> , distinctive characters of adult.....	40	7	
table of North American species, adults.....	40	7	
<i>tormentor</i> , distinctive characters of larva.....	72	4	
<i>Ageratum</i> , food plant of <i>Aleyrodes vaporariorum</i>	57	2	
<i>Agonoderus pallipes</i> , injurious to seed corn.....	78	4	
<i>Agrilus bilineatus</i> , circular.....		24, rev.	1-7
remedies.....		24, rev.	5-7
<i>Agropyron occidentalis</i> , food plant of <i>Toxoptera graminum</i>		93, rev.	1
<i>repens</i> , food plant of <i>Mayetiola destructor</i> or related			
species.....	70	5	
<i>tenerum</i> , food plant of <i>Toxoptera graminum</i>		93, rev.	
<i>Agrostis</i> , food plant of <i>Mayetiola destructor</i> or related species.....	70	7	
possible food plant of <i>Toxoptera graminum</i>	85	4	
<i>Alabama</i> , requirements relative to shipment of nursery stock.....	75, rev. 2	7	
<i>Alcohol</i> as remedy for "chiggers".....	77	6	
(wood) and oil of lemon against corn root-aphis.....	86	13	
<i>Aleyrodes citri</i> on citrus plants in greenhouses.....	57	4	
<i>packardi</i> on strawberry in greenhouses.....	57	4	
spp., in greenhouses, remedies.....	80	12	
<i>vaporariorum</i> , circular.....	57	1-9	
on tomato.....	37, rev. 2	4	
remedies.....	37, rev. 2	4	
<i>remedies</i>	57	5-9	
<i>Alfalfa</i> , food plant of <i>Bruchophagus funebris</i>	69	8	
<i>Cannula pellucida</i>	84	1	
<i>Diabrotica 12-punctata</i>	59	3	
<i>Hylastinus obscurus</i>	67	3	
grasshopper enemies, circular.....	84	1-10	1-8
<i>Alkali wash</i> against round-headed apple-tree borer.....	32, rev. 3	6	
<i>Allocota thyridopterigis</i> , parasite of <i>Thyridopteryx ephemeraeformis</i>	97	6, 7	7
probable host of <i>Habrocytus thyridopterigis</i>	97	8	
<i>Allagrapta obliqua</i> , enemy of <i>Aphis gossypii</i>	80	6	
<i>Macrosiphum pisii</i>	43, ed. 2	5	
<i>Almond</i> , food plant of <i>Bryobia pratensis</i>	19, ed. 2	2	
<i>Alocasia macrorhiza variegata</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
<i>Alopecurus geniculatus</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	5	
<i>Alsike</i> . (See Clover, alsike.)			
Alum ineffective against rose-chafers.....	11, rev.	3	
<i>Alyssum</i> , sweet, food plant of <i>Pontia rapae</i>	60	4	

	Circular No.	Page.	Figure.
Amaranthus, food plant of <i>Aphis gossypii</i>	80	5	
probable food plant of <i>Diabrotica 12-punctata</i>	59	4	
Ambrosia beetles in girdled cypress, remedies.....	82	3-4	
injury to girdled cypress.....	82	1	
<i>trifida</i> . (See Ragweed.)			
<i>Ameloconia clisiocampæ</i> , parasite of <i>Malacosoma americana</i>	98	5	
Ammonia as remedy for "chiggers".....	77	6	
ineffective against strawberry weevil.....	21, rev.	7	
to alleviate pain from centipede bites.....	48	3	
Amorpha, food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>Amphydryta simplicipes</i> , association with <i>Cheilosia alaskensis</i>	61	8	
<i>Anaphes conotrachelii</i> , parasite of <i>Conotrachelus nenuphar</i>	73	6	
<i>Anasa tristis</i> , circular.....	39, rev. 2	1-5	1-3
remedies.....	39, rev. 2	4	
<i>Anatis ocellata</i> = <i>Anatis 15-punctata</i>	87	10	
15-punctata, enemy of <i>Leptinotarsa decemlineata</i>	87	10	
Andromeda, food plant of <i>Macrodactylus subspinosus</i>	11, rev.	4	
Animal matter, dead, food of cockroaches.....	51, rev.	4	
<i>Anisopteryx pometaria</i> , general account.....	9	3-4	3-4
remedies.....	9	3-4	
<i>Anomalon analis</i> , parasite of <i>Malacosoma americana</i>	98	5	
exile, parasite of <i>Malacosoma americana</i>	98	5	
<i>Anopediæ error</i> , parasite of <i>Dasyneura leguminicola</i>	69	5	
<i>Anopheles albimanus</i> , status.....	40	4	
<i>annulimanus</i> perhaps = <i>Culex consobrinus</i>	40	6	
status.....	40	4	
<i>barberi</i> , distinctive characters of larva.....	72	1	
<i>cruciatus</i> , distinctive characters of adult.....	40	4	
larva.....	72	1	
synonyms.....	40	5	
distinctive characters of genus, adults.....	40	4	
<i>franciscanus</i> , distinctive characters of larva.....	72	1	
<i>hiemalis</i> = <i>punctipennis</i>	40	5	
<i>maculipennis</i> , distinctive characters of larva.....	72	1	
probably = <i>Anopheles quadrimaculatus</i>	40	5	
status.....	40	4	
<i>nigripes</i> , status.....	40	4	
<i>pictus</i> = <i>Anopheles crucians</i>	40	5	
status.....	40	4	
<i>punctipennis</i> , adults.....	40	2, 4	1
<i>Anopheles hiemalis</i> a synonym.....	40	5	
distinctive characters of adult.....	40	4	
larva.....	72	1	
<i>quadrimaculatus</i> , <i>Anopheles maculipennis</i> a probable synonym.....	40	5	
distinctive characters of adult.....	40	4	
resting position of adults.....	40	3	
table of North American species, adults.....	40	4	
unrecognized North American species.....	40	4-5	
<i>Anophelineæ</i> , distinctive characters of larva.....	72	1	
<i>Anthomyia ceparum</i> = <i>Pegomya cepetorum</i>	63, ed. 2	6	
<i>Anthophomus grandis</i> . (See Weevil, Mexican cotton boll.)			
<i>signatus</i> , circular.....			
remedies.....	21, rev.	1-10	1-5
<i>Anthrenus lepidus</i> , not known to attack carpets.....	21, rev.	6-10	
<i>scrophulariæ</i> , circular.....	5, rev.	2	
remedies.....	5, rev.	1-4	1
<i>Anthurium crystallinum</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
Ant, little black. (See <i>Monomorium minutum</i> .)			
brown. (See <i>Lasius niger</i> var. <i>americanus</i> .)			
red. (See <i>Monomorium pharaonis</i> .)			
pavement. (See <i>Tetramorium cæspitum</i> .)			
white (<i>Termites flavipes</i>), circular.....	50, rev.	1-8	1-4
hydrocyanic-acid gas as remedy.....	46, rev.	2	
remedies.....	50, rev.	7-8	
Ants as disseminators of San Jose scale.....	3	6	
carbon bisulphid as insecticide.....	1	5	
"cows".....	86	8	
destruction in control of corn root-aphis.....	86	12	
enemies of <i>Chrysobothris femorata</i>	32, rev. 3	11	
feeding on honeydew from aphides.....	80	1	
house-infesting species, circular.....	34, rev.	1-4	1-3
remedies.....	34, rev.	4	
hydrocyanic-acid gas as remedy.....	46, rev.	2	
remedies.....	34, rev.	4	
<i>Antonidia aurantiæ</i> , resin wash as insecticide.....	1	3-4	
<i>citrinus</i> , resin wash as insecticide.....	1	3-4	
<i>Apanteles carpatus</i> , parasite of <i>Tinea pellionella</i>	36, rev.	4	
<i>Trichophaga tapetziæ</i>	36, rev.	5	
<i>catalpæ</i> . (See <i>Microplitis catalpæ</i> .)			
<i>clisiocampæ</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>congregatus</i> , parasite of <i>Ceratoma catalpæ</i>	96	5	
var. <i>rufocozalis</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>glomeratus</i> , parasite of <i>Pontia rapæ</i>	60	5, 8	3-4

	Circular No.	Page.	Figure.
<i>Aphelinus mali</i> , parasite of <i>Schizoneura lanigera</i> .	20, rev.	6	
<i>nigrinus</i> , parasite of <i>Toxoptera graminum</i> .	93, rev.	15	
<i>Aphenogaster fulva</i> , enemy of <i>Anthonomus signatus</i> .	21, rev.	4	
<i>Aphides</i> affecting the apple, circular.	81	1-10	1-8
remedies.	81	9-10	
tobacco as remedy.	37, rev. 2	1	
<i>Aphidius fletcheri</i> , parasite of <i>Macrosiphum pisi</i> .	43, ed. 2	5	
<i>washingtonensis</i> , parasite of <i>Macrosiphum pisi</i> .	43, ed. 2	5	
<i>Aphis</i> , apple. (See <i>Aphis mali</i> .)			
apple, rosy. (See <i>Aphis malifolia</i> .)			
avenz. (See <i>Siphocoryne avenz.</i>)			
black. (See <i>Aphis gossypii</i> .)			
brassicæ, control by natural enemies.	80	15-16	
host of <i>Lysiphlebus tritici</i> .	93, rev.	17	
cabbage. (See <i>Aphis brassicæ</i> .)			
<i>citrifolii</i> = <i>Aphis gossypii</i>	80	5	
<i>citrulli</i> = <i>Aphis gossypii</i> .	80	5	
corn leaf. (See <i>Aphis maidis</i> .)			
root. (See <i>Aphis maidi-radicis</i> .)			
cotton. (See <i>Aphis gossypii</i> .)			
<i>cumeris</i> = <i>Aphis gossypii</i> .	80	5	
European grain. (See <i>Siphocoryne avenz.</i>)			
<i>fitchi</i> = <i>Siphocoryne avenz.</i>	81	3	
<i>forbesi</i> = <i>Aphis gossypii</i> .	80	5	
<i>gossypii</i> , circular.	80	1-16	1-6
host of <i>Lysiphlebus tritici</i> .	93, rev.	17	
remedies.	80	8-16	
<i>maidis</i> , general account.	86	1, 4-9	3-4
host of <i>Lysiphlebus tritici</i> .	93, rev.	17	
<i>malifolia</i> , general account.	86	9-13	
remedies.	86	1-3	1-2
<i>maidis</i> , general account.	93, rev.	17	
<i>malifolia</i> , general account.	81	7-9	6
remedies.	81	9-10	
<i>mali</i> , general account.	81	5-6	1, 3-5
remedies.	81	9-10	
melon. (See <i>Aphis gossypii</i> .)			
orange. (See <i>Aphis gossypii</i> .)			
pea. (See <i>Macrosiphum pisi</i> .)			
<i>pomi</i> = <i>Aphis mali</i> .	81	5	
<i>setaria</i> , host of <i>Lysiphlebus tritici</i> .	93, rev.	17	
<i>sorbi</i> , food plants.	81	7	
perhaps = <i>Aphis malifolia</i> .	81	7	
spring grain. (See <i>Toxoptera graminum</i> .)			
squash. (See <i>Nectarophora cucurbitæ</i> .)			
woolly. (See <i>Schizoneura lanigera</i> .)			
apple. (See <i>Schizoneura lanigera</i> .)			
<i>Aphytus pulvinariz</i> , parasite of <i>Pulvinaria innumerabilis</i> .	64	4	
Apple aphides, circular.	81	1-10	1-8
remedies.	81	9-10	
aphis. (See <i>Aphis mali</i> .)			
rosy. (See <i>Aphis malifolia</i> .)			
character of injury by <i>Conotrachelus nenuphar</i> .	73	5	
crab, food plant of <i>Aphis mali</i> .	81	5	
<i>Conotrachelus nenuphar</i> .	73	4	
<i>Saperda candida</i> .	32, rev. 3	3	
<i>cretata</i> .	32, rev. 3	8	
<i>Schizoneura lanigera</i> .	20, rev.	2	
wild, less injured than other apples by <i>Schizoneura lanigera</i> .	20, rev.	2	
food plant of <i>Anisopteryx pometaria</i> .	9	3-4	
<i>Aphis mali</i> .	81	5	
<i>malifolia</i> .	81	7	
<i>sorbi</i> .	81	7	
<i>Bryobia praetensis</i> .	19, ed. 2	2	
canker-worms.	9	1	
<i>Chrysobothris femorata</i> .	32, rev. 3	9	
<i>Conotrachelus nenuphar</i> .	73	4	
<i>Diabrotica 12-punctata</i> .	59	3	
<i>longicornis</i> .	59	7	
<i>vittata</i> .	31, rev. 2	2	
<i>Eulecanium nigrofasciatum</i> .	88	9	
<i>Euproctis chrysorrhœa</i> .	58	11	
<i>Leptocoris trivittatus</i> .	28	1	
<i>Macrodactylus subspinosus</i> .	11, rev.	2	
<i>Malacosoma americana</i> .	98	2	
<i>Paleacrita vernata</i> .	9	1-3	
<i>Pulvinaria innumerabilis</i> .	64	2	
San Jose scale.	3	1	
<i>Saperda candida</i> .	32, rev. 3	3	
<i>cretata</i> .	32, rev. 3	8	
<i>Schizoneura lanigera</i> .	20, rev.	1-4	
<i>Scolytus rugulosus</i> .	29, rev.	2	
<i>Siphocoryne avenz</i> .	81	3	

	Circular No.	Page.	Figure.
Apple, injury by <i>Ceresa bubalus</i>	23	2	.....
louse, woolly. (See <i>Schizoneura lanigera</i> .)			
Northern Spy variety resistant to <i>Schizoneura lanigera</i>	20, rev. 2		
root louse (see also <i>Schizoneura lanigera</i>). insecticides.....	1	5	.....
plant-louse. (See <i>Schizoneura lanigera</i> .)			
thorn, food plant of <i>Leptinotarsa decemlineata</i>	87	8	.....
wild balsam. (See <i>Echinocystis lobata</i> .)			
worm. (See <i>Carpocapsa pomonella</i> .)			
Apricot, food plant of <i>Conotrachelus nenuphar</i>	73	4, 5	.....
<i>Diabrotica 12-punctata</i>	59	3	.....
<i>Scolytus rugulosus</i>	29, rev. 3	2	.....
not infested by <i>Aspidiota perniciosus</i>	3	1	.....
<i>Aradus</i> sp., mistaken for <i>Cimex lectularius</i>	47, rev. 37, rev. 2	4	.....
<i>Aralia filicifolia</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	.....
Arborvitæ, food plant of <i>Bryobia pratincola</i>	19, ed. 2	2	.....
<i>Thyridopteryx ephemeraeformis</i>	97	3-4	3
Arctium, food plant of <i>Aphis gossypii</i>	80	5	.....
<i>Arecia lutescens</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	.....
<i>Argas miniatus</i> , general account.....	92	4	2
<i>Aritis cristatus</i> , enemy of <i>Diabrotica 12-punctata</i>	59	5	.....
<i>Pontia rapæ</i>	60	6	.....
range extending northward.....	97	2	.....
Arizona, requirements relative to shipment of nursery stock.....	75, rev. 2	1-2	.....
Arkansas, requirements relative to shipment of nursery stock.....	75, rev. 2	2	.....
Army worm. (See <i>Leucania unipuncta</i> .)			
Arsenate of lead against apple-tree tent caterpillar.....	98	8	.....
bagworm.....	97	9-10	.....
catalpa sphinx.....	96	6	.....
Colorado potato beetle.....	87	14	.....
imported cabbage worm.....	60	6	.....
plum curculio.....	73	9	.....
rose-chafer.....	11, rev. 31, rev. 2	3	.....
southern corn root-worm.....	59	5	.....
striped cucumber beetle.....	31, rev. 2	6-7	.....
and Bordeaux mixture against rose-chafer.....	11, rev. 21, rev. 31, rev. 2	3	.....
strawberry weevil.....	98	8, 9	.....
striped cucumber beetle and fungous diseases.....	31, rev. 2	6-7	.....
Arsenic in starch paste against silver fish.....	49	4	.....
white, against boll weevil.....	33	3-4	.....
as insecticide.....	1	5-7	.....
against boll weevil.....	18	6-7	.....
Arsenical and lime against peach-tree borer.....	17	4	.....
Arsenicals (see also Arsenate of lead, Arsenic, Arsenite of copper, Arsenite of lime, Arsenoid, green, London purple, Paris green, and Scheele's green). against apple-tree tent caterpillar.....	98	8	.....
bagworm.....	97	9-10	.....
boll weevil.....	33	1-4	.....
catalpa sphinx.....	96	6	.....
Colorado potato beetle.....	87	13-14	.....
imported cabbage worm.....	60	6	.....
pear slug.....	26	6	.....
plum curculio.....	73	9-10	.....
rose-chafer.....	11, rev. 21, rev. 31, rev. 2	3	.....
Southern corn root-worm.....	59	5	.....
strawberry weevil.....	21, rev. 53	8-9	.....
striped cucumber beetle.....	31, rev. 2	6	.....
yellow-winged locust.....	53	3	.....
and Bordeaux mixture against apple-tree tent caterpillar.....	98	8	.....
southern corn root-worm.....	59	5	.....
milk of lime against apple-tree tent caterpillar.....	98	8	.....
harmlessness when properly applied.....	60	7	.....
Arsenious acid. (See Arsenic, white.)			
Arsenite of copper against boll weevil.....	33	3-4	.....
lime with soda against Colorado potato beetle.....	87	14	.....
Arsenites as insecticides.....	1	5-7	.....
Arsenoid, green, against plum curculio.....	73	9	.....
Asclepias, food plant of <i>Diabrotica 12-punctata</i>	59	3	.....
Ashes against pear slug.....	26	6	.....
root form of woolly aphis.....	20, rev. 31, rev. 2	4	.....
striped cucumber beetle.....	21, rev. 32, rev. 3	6	.....
ineffective against strawberry weevil.....	32, rev. 3	7	.....
Ash, mountain, food plant of <i>Chrysobothris femorata</i>	32, rev. 3	9	.....
<i>Saperda candida</i>	29, rev. 32, rev. 3	3	.....
<i>Scolytus rugulosus</i>	80	2	.....
Asparagus, food plant of <i>Aphis gossypii</i>	80	5	.....
<i>Diabrotica 12-punctata</i>	59	3	.....
<i>Aspidiota perniciosus</i> . (See Scale, San Jose.)			
Aster, food plant of <i>Aleyrodes vaporariorum</i>	57	2	.....
<i>Diabrotica 12-punctata</i>	59	3	.....
<i>vittata</i>	31, rev. 2	2	.....
white, flowers frequented by butterflies of <i>Pontia rapæ</i>	60	4	.....

	Circular No.	Page.	Figure.
<i>Atropates collinsi</i> , parasite of <i>Pultinaria innumerabilis</i>	64	4	
<i>Attagenus piceus</i> , black carpet beetle.....	36, rev.	4	
destruction by cold storage.....	36, rev.	8	
Austria-Hungary, laws relative to importation of American plants, trees, and fruits.....	41	1	
<i>Autographa brassicae</i> , the cabbage looper.....	60	6	
Axle grease against ox warble.....	26	8-9	
B.			
<i>Baccha babista</i> = <i>Baccha clavata</i>	80	6	
<i>clavata</i> , enemy of <i>Aphis gossypii</i>	80	6	
<i>cognata</i> , enemy of <i>Aphis gossypii</i>	80	6	
<i>fusci pennis</i> , enemy of <i>Aphis gossypii</i>	80	6	
<i>lugens</i> , enemy of <i>Aphis gossypii</i>	80	6	
<i>Bacillus alvei</i>	94	1	
<i>brandenburghensis</i> probably= <i>Bacillus larve</i>	94	3	
<i>burri</i> probably= <i>Bacillus larve</i>	94	3	
<i>entomotoricon</i> , bacterial disease of <i>Anasa tristis</i>	39, rev. 2	4	
<i>larvae</i> , cause of American foul brood.....	94	1-4	
<i>tracheiphilus</i> (see also <i>Neocosmospora vasinfecta</i>). transmission by <i>Anasa tristis</i>	39, rev. 2	2	
<i>X</i>	94	1	
Bacterial disease of <i>Malacosoma americana</i>	98	6	
wilt disease of cucurbits, cotton, and cowpeas. (See <i>Bacillus tracheiphilus</i> and <i>Neocosmospora vasinfecta</i> .)			
Bagging grapes against rose-chafers.....	11, rev.	4	
Bagworm (<i>Thyridopteryx ephemeraeformis</i>), circular.....	97	1-10	1-11
on catalpa.....	96	1	
remedies.....	15	3, 4	
	97	8-10	
51, rev.	7		
Bakeries, infestation by cockroaches.....	99	12, 14-15	10, 13
<i>Balaninus caryae</i> , general account.....	99	14-15	
remedies.....	99	15	
<i>obtusus</i> , general account.....	99	15	
remedies.....	99	15	
<i>proboscideus</i> , general account.....	99	2-4, 5-6	2-4, 8, 9 (1, 4, 6)
remedies.....	99	6, 9-12	
<i>rectus</i> , general account.....	99	2, 4-6	5-7, 9 (2, 3, 5)
remedies.....	99	6, 9-12	
Balsam apple, wild. (See <i>Echinocystis lobata</i> .)			
Banding against fall canker-worm.....	9	4	
peach-tree borer.....	17	3	
spring canker-worm.....	54	3-4	
BANKS, NATHAN, circular, "Mites and Lice on Poultry".....	9	2, 3	
Bark beetle fruit. (See <i>Scolytus rugulosus</i> .) tree. (See <i>Scolytus rugulosus</i> .)	92	1-8	1-6
larger fir-tree. (See <i>Hylesinus granulatus</i> .) western hemlock. (See <i>Hylesinus n. sp.</i>)			
maggot, Alpine fir.....	61	9, 10	
hemlock. (See <i>Cheiostola alaskenensis</i> .) lowland fir. (See <i>Cheiostola hoodianus</i> .)			
Sitka spruce.....	61	9, 10	
yellow pine, injury to <i>Pinus ponderosa</i> and <i>P. mur-rayana</i>	61	9	
Barley, food plant of <i>Aphis maidis</i> . (See <i>Cecidomyia Mayetiola destructor</i> .)	86	2	
<i>Toxoptera graminum</i>	12, rev. 70	1	
little. (See <i>Hordeum pusillum</i> .)	93, rev. 85	4	
Barriers against fruit-tree bark-beetle.....	29, rev.	2, 5	
round-headed apple-tree borer.....	32, rev. 3	7	
Basket worm. (See Bagworm.)			
<i>Bassus latatorius</i> , parasite of syrphus flies that prey upon <i>Macrosiphum pisi</i>	43, ed. 2	5	
Bean fly, colloquial name for <i>Pegomya fusciceps</i> . food plant of <i>Aleyrodes vaporariorum</i>	63, ed. 2	1	
<i>Aphis gossypii</i>	57	2	
<i>Ceresa bubalus</i>	80	5	
<i>Diabrotica 12-punctata</i>	23	4	
<i>longicornis</i>	59	3, 4	
<i>vittata</i>	59	7	
<i>Macroactylus subspinosus</i>	31, rev. 2	2	
<i>Pegomya fusciceps</i>	11, rev.	2	
<i>Tetranychus gloveri</i>	63, ed. 2	1	
Beans as trap plants against striped cucumber beetle.....	31, rev. 2	5-6	
Bedbug (<i>Cimex lectularius</i>), circular.....	47, rev.	1-8	1-3
hydrocyanic-acid gas as remedy.....	46, rev.	1, 2	
prey of cockroaches.....	51, rev.	5	
probable prey of <i>Scutigera forceps</i>	48	2	
remedies.....	47, rev.	6-8	

	Circular No.	Page.	Figure.
Beech, food plant of <i>Malacosoma americana</i>	98	2	
<i>Putvinaria innumerabitis</i>	64	2	
probable food plant of <i>Chrysobothris femorata</i>	32, rev. 3	10	
Bee-escape treatment against American and European foul broods.....	79	3-4	
Beef meal, infestation by <i>Tineola biselliella</i>	36, rev.	5	
Bees, brood diseases, circular.....	79	1-5	
feeding upon honeydew from aphides.....	80	1	
Beet, food plant of <i>Aphis gossypii</i>	80	5	
<i>Diabrotica 12-punctata</i>	59	3	
<i>Pegomya fusciceps</i>	63, ed. 2	2	
Beetles, enemies of canker-worms.....	9	2	
predaceous on house-fly larvæ.....	35	8	
Begonia, food plant of <i>Aphis gossypii</i>	80	5	
Belgium, laws relative to importation of American plants, trees, and fruits.....	41	1	
Belladonna, food plant of <i>Leptinotarsa decemlineata</i>	87	8	
Benzine against bedbug.....	47, rev.	7	
carpet beetle.....	5, rev.	3	
clothes moths.....	36, rev.	6	
clover mite.....	19, ed. 2	4	
fleas.....	13	4	
powder-post beetles.....	55	4	
<i>Benzoin benzoin</i> , food plant of <i>Eulecanium nigrofasciatum</i>	88	2	
Bergamot, wild. (See <i>Monarda fistulosa</i> .)			
Berries, food plants of <i>Macroductylus subspinosus</i>	11, rev.	2	
Bicarbonate of soda. (See Soda.)			
Bidens, food plant of <i>Diabrotica 12-punctata</i>	59	3	
Birch, white, probable food plant of <i>Chrysobothris femorata</i>	32, rev. 3	10	
Birds as disseminators of San Jose scale.....	3	6	
enemies of canker-worms.....	9	2	
<i>Diabrotica 12-punctata</i>	59	5	
grasshoppers.....	84	14	
hosts of <i>Cimex</i> spp.....	47, rev.	3	
malaria thereof carried by mosquitoes.....	40	1	
Bisulphid of carbon. (See Carbon bisulphid.)			
Biting habit of <i>Stomoxys calcitrans</i>	35	1	
Black aphis, colloquial name for <i>Aphis gossypii</i>	71, rev.	1	
beetle, colloquial name for <i>Blatta orientalis</i>	80	5	
Blackberry, food plant of <i>Anthophomus signatus</i>	51, rev.	1	
<i>Macroductylus subspinosus</i>	21, rev.	2	
Blackbirds, enemies of grasshoppers.....	11, rev.	4	
Black knot. (See <i>Plowrightia morbosa</i> .)	84	4	
<i>Blacus fuscipes</i> , parasite of <i>Scolytus rugulosus</i>	29, rev.	5	
Blankets, horse, food of <i>Trichophaga tapetella</i>	36, rev.	5	
<i>Blarina brevicauda</i> , probable enemy of <i>Isosoma tritici</i>	66, rev.	6	
<i>Blatta orientalis</i> , general account.....	51, rev.	3, 8-9	4
remedies.....	51, rev.	11-14	
<i>Blatella germanica</i> , general account.....	51, rev.	3, 7, 9-10	5
remedies.....	51, rev.	11-14	
“Blight, American,” foreign name for woolly aphis of apple.....	20, rev.	1	
“Bights,” colloquial name for work of chestnut weevil larvæ.....	99	2	
food of <i>Diabrotica longicornis</i>	59	7	
Blister beetle, striped. (See <i>Epicauda villosa</i> .)			
beetles, the “old-fashioned potato bugs”.....	87	3	
Blowfly, common name for <i>Calliphora erythrocephala</i>	35	2	
Blueberry. (See <i>Vaccinium</i> sp.)			
Bluebottle fly. (See <i>Calliphora erythrocephala</i> and <i>Lucilia cæsar</i> .)			
small. (See <i>Phormia terraenovæ</i> .)	71, rev.	2	
Blue-grass, Kentucky. (See <i>Poa pratensis</i> .)			
Bluejay, enemy of <i>Malacosoma americana</i>	98	6	
Boards, barrier against peach-tree borer.....	54	4	
Boats, infestation by <i>Cimex lectularius</i>	47, rev.	2	
cockroaches.....	51, rev.	3	
Bobwhite. (See Quail.)			
<i>Baeotomus subapterus</i> , parasite of <i>Mayetiola destructor</i>	70	12-13	16
Boll weevil. (See Weevil, Mexican cotton-boll.)			
Bone, dissolved, ineffective against strawberry weevil.....	21, rev.	7	
Book bindings and paste eaten by cockroaches.....	51, rev.	4-5	
lice, hydrocyanic-acid gas as remedy.....	46, rev.	1	
Books, destruction by <i>Termites flavipes</i>	50, rev.	4, 5	
injury by cockroaches.....	51, rev.	4-5	
<i>Lepisma saccharina</i>	49	1, 2	
<i>Boophilus annulatus</i> on sheep, circular.....	91	1-3	
Borax and sugar against ants.....	34, rev.	4	
Bordeaux mixture against periodical cicada.....	89	4	
strawberry weevil.....	21, rev.	8	
and arsenate of lead against fungous diseases and striped cucumber beetle.....	31, rev. 2	6-7	
rose-chafers.....	11, rev.	3	
strawberry weevil.....	21, rev.	8, 9	
arsenicals against apple-tree tent caterpillar.....	98	8	
southern corn root-worm.....	59	5	

	Circular No.	Page.	Figure.
Bordeaux mixture and kerosene emulsion against pear-tree psylla.....	7	8	-----
Paris green against strawberry weevil.....	21, rev.	8, 9	-----
Borer, flat-headed apple-tree. (See <i>Chrysobothris femorata</i> .)			
peach-tree. (See <i>Sannina exitiosa</i> .)			
round-headed apple-tree. (See <i>Saperda candida</i> .)			
spotted apple-tree. (See <i>Saperda cretata</i> .)			
squash-vine. (See <i>Melittia satyriniformis</i> .)			
Borers, colloquial name for chestnut weevil larvæ.....	99	2	-----
pin, injury to girdled cypress.....	82	1-3	-----
Bot-fly, colloquial name for <i>Hypoderma lineata</i>	25	1	-----
Box elder, food plant of <i>Chrysobothris femorata</i>	32, rev. 3	9	-----
<i>Leptocoris trivittatus</i>	28	1-3	-----
<i>Pulvinaria innumerabilis</i>	64	2	-----
<i>Thyridopteryx ephemeraeformis</i>	97	4	-----
Brachynus kansanus, enemy of <i>Leptinotarsa decemlineata</i>	87	10	-----
Bracon anthonomi, parasite of <i>Anthonomus signatus</i>	21, rev.	4	-----
<i>charus</i> , parasite of <i>Chrysobothris femorata</i>	32, rev. 3	11	-----
<i>gelechiae</i> , parasite of <i>Malacosoma americana</i>	98	5	-----
<i>pectinator</i> , parasite of <i>Chrysobothris femorata</i>	32, rev. 3	11	-----
Bram mash and Paris green against imported cabbage worm.....	60	7	-----
poisoned, against grasshoppers.....	84	8	-----
Bridges, destruction by white ants.....	50, rev.	1	-----
Brimstone (see also Sulphur).			
against clover mite.....	19, ed. 2	4	-----
Brine against powder-post beetles.....	55	4	-----
British Columbia, laws relative to importation of American plants, trees, and fruits.....	41	1	-----
Broccoli, food plant of <i>Murgantia histrionica</i>	10	2	-----
Brodetare, Swedish name for <i>Blatta orientalis</i>	51, rev.	9	-----
Bromus, food plant of <i>Mayetiola destructor</i> or related species.....	70	7	-----
<i>hordeaceus</i> , food plant of <i>Toxoptera graminum</i>	85	4	-----
<i>porteri</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	5	-----
possible food plant of <i>Toxoptera graminum</i>	85	4	-----
sp., food plant of <i>Toxoptera graminum</i>	{ 85	4	-----
<i>unioloides</i> , food plant of <i>Diabrotica 12-punctata</i>	93, rev.	5	-----
Brood, American foul. (See Foul brood, American.)	59	4	-----
chilled, overheated, or starved, of bees.....	79	5	-----
European foul. (See Foul brood, European.)	79	5	-----
"pickle," of bees.....	79	5	-----
Broom corn, food plant of <i>Aphis maidis</i>	86	2	-----
Brown-tail moth. (See <i>Euproctis chrysorrhoea</i> .)			
Bruchophagus funebris (see also Clover-seed chalcis).			
general account.....	69	7-9	5-8
remedies.....	69	9	-----
Brush and cultivator method against pea aphis.....	43, ed. 2	7-8	-----
pan method against pea aphis.....	43, ed. 2	8-9	-----
Brushing against Colorado potato beetle.....	87	12	-----
"green bug".....	{ 85	6	-----
Bryobia pratensis, circular.....	93, rev.	19	1
remedies.....	19, ed. 2	1-4	1
Bud-worm, colloquial name for <i>Diabrotica 12-punctata</i>	19, ed. 2	4	-----
tobacco. (See <i>Chloridea virescens</i> and <i>Heliothis obsoleta</i> .)	19, ed. 2	2	-----
Buffalo, host of <i>Hypoderma lineata</i>	25	1	-----
moth. (See <i>Anthonus scrophulariae</i> .)			
tree-hopper. (See <i>Ceresa bubalus</i> .)			
Buhach. (See Pyrethrum.)			
Buildings, destruction by white ants.....	50, rev.	1, 2	-----
Bumblebee, agent in pollination of red clover.....	69	1, 2	-----
Bumelia, food plant of <i>Eulecanium nigrofasciatum</i>	88	2	-----
Burdock. (See <i>Arctium</i> .)			
BURGESS, A. F., circular, "Requirements to be Complied with by Nurseriesmen or Others who Make Interstate Shipments of Nursery Stock".....	75, rev. 2	1-9	-----
BURKE, H. E., circular, "Black Check in Western Hemlock".....	61	1-10	1-5
Burlap barriers against fruit-tree bark-beetle.....	29, rev.	7	-----
Burning against apple-tree tent caterpillar.....	98	7-8	-----
boll weevil.....	{ 56	3	-----
corn stalk-borer.....	95, rev.	5	-----
"green bug".....	16	3	-----
Hessian fly.....	{ 93, rev.	19	-----
joint-worm.....	12, rev.	3-4	-----
powder-post beetles.....	70	14	-----
squash bug.....	66, rev.	5	-----
Burying of nuts in soil against chestnut weevils.....	55	3-4	-----
Butterfly, cabbage. (See <i>Pontia rapæ</i> .)	39, rev. 2	5	-----
rape, colloquial name for <i>Pontia rapæ</i>	60	1	-----
southern cabbage. (See <i>Pontia protodice</i> .)			
white, colloquial name for <i>Pontia rapæ</i>	60	1	-----
Buttonweed. (See <i>Diodia</i> .)			

	Circular No.	Page.	Figure.
C.			
Cabbage aphis. (See <i>Aphis brassicæ</i> .)			
bug, harlequin. (See <i>Murgantia histrionica</i> .)			
butterfly. (See <i>Pontia rapæ</i> .)			
southern. (See <i>Pontia protodice</i> .)			
food plant of <i>Aphis brassicæ</i>	80	15	
<i>Diabrotica 12-punctata</i>	59	3	
<i>Leptinotarsa decemlineata</i>	87	8	
<i>Murgantia histrionica</i>	10		1-2
<i>Pegomya brassicæ</i>	63, ed. 2	3	
<i>fusciceps</i>	63, ed. 2	2	
<i>Pontia protodice</i>	60	3	
<i>rapæ</i>	60	4	
hairworm. (See <i>Mermis albicans</i> .)			
looper. (See <i>Autographa brassicæ</i> .)			
maggot. (See Maggot, cabbage, and Maggot, radish.)			
rattlesnake, colloquial name for <i>Mermis albicans</i>	62, rev.	2	
snake, colloquial name for <i>Mermis albicans</i>	62, rev.	1, 2	
worm, colloquial name for <i>Mermis albicans</i>	62, rev.	2	
imported. (See <i>Pontia rapæ</i> .)			
southern. (See <i>Pontia protodice</i> .)			
"Calico back." (See <i>Murgantia histrionica</i> .)			
California, requirements relative to shipment of nursery stock.....	75, rev. 2	2	
<i>Calliphora erythrocephala</i> in houses, habits.....	35		
<i>Callosoma calidum</i> , enemy of <i>Leptinotarsa decemlineata</i>	71, rev.	2	
<i>scrutator</i> , enemy of <i>Malacosoma americana</i>	87	10	
<i>Calyptus tibiator</i> . (See <i>Sigalaphus tibiator</i> .)	98	6	
<i>Campanula pellucida</i> , circular.....	53	1-3	1
destructive to grain and grass crops, but little injurious to alfalfa.....	84	1	
remedies.....	53	2-3	
Camphor against ants.....	34, rev.	4	
clothes moths.....	36, rev.	6	
as remedy for "chiggers".....	77	6	
Canada, laws relative to importation of American plants, trees, and fruits.....	41	2	
shipment of nursery stock.....	75, rev. 2	9	
Canker-worm, fall. (See <i>Anisopteryx pomaterialis</i> .)			
spring. (See <i>Paleacrita vernata</i> .)			
Canker-worms, circular.....	9	1-4	1-4
remedies.....	9	2-3, 3-4	
Canna, food plant of <i>Diabrotica 12-punctata</i>	59	3	
Cannibalism among cockroaches, probability.....	51, rev.	4	
larvæ of <i>Pissodes strobi</i>	90	7	
white ants.....	50, rev.	4	
Cantaloupe (see also Cucurbits, Melons, and Muskmelon).			
food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>vittata</i>	31, rev. 2	2	
louse, colloquial name for <i>Aphis gossypii</i>	80	5	
Cape of Good Hope, laws relative to importation of American plants, trees, and fruits.....	41	2	
Carbolic acid against ox warble.....	25	9	
periodical cicada, ineffective.....	89	4	
strawberry weevil.....	21, rev.	8	
as remedy for "chiggers".....	77	6	
and kerosene against common hen louse.....	92	6	
lime against common hen louse.....	92	6	
oils against ox warble.....	25		
soap against fruit-tree bark-beetle.....	29, rev.	8	
peach-tree borer.....	17	3	
round-headed apple-tree borer.....	32, rev. 3	6	
whitewash against chicken mite.....	92	3	
emulsion against cabbage maggot.....	63, ed. 2	4	
seed-corn maggot.....	63, ed. 2	2	
of no value against locust borer.....	83	6	
soap, Paris green, lime, and clay against peach-tree borer.....	17	4	
54	4		
Carbon bisulphid against ants.....	34, rev.	4	
cabbage maggot.....	63, ed. 2	5	2
carpet beetle.....	5, rev.	4	
chestnut weevils.....	99	10	
cockroaches.....	51, rev.	13	
imported onion maggot.....	63, ed. 2	7	
little red ant.....	34, rev.	2	
melon aphis.....	80	9	
peach-tree borer.....	54	5	
pecan weevil, possible utility.....	99	15	
soft-bodied insect pests of cucurbits.....	80	16	
subterranean insects.....	1	5	
woolly aphis.....	20, rev.	4, 5	
Cardinal, enemy of <i>Leptinotarsa decemlineata</i>	87	12	

	Circular No.	Page.	Figure.
Carnations, fumigation with hydrocyanic-acid gas.....	37, rev. 2	4	.....
Carpet beetle. (See <i>Anthrenus scrophulariae</i> .)			
black. (See <i>Attagenus piceus</i> .)			
moths. (See Moths, clothes.)			
Carpets, food of <i>Anthrenus scrophulariae</i>	5, rev.	1	.....
<i>Tinea pellionella</i>	36, rev.	3	.....
<i>Trichophaga tapetella</i>	36, rev.	5	.....
reported injury by <i>Lepisma saccharina</i>	49	2	.....
<i>Carpocapsa pomonella</i> , host of <i>Mermis albicans</i>	62, rev.	3	.....
Carrion, breeding place of <i>Musca domestica</i>	71, rev.	3	.....
<i>Catalpa bignonioides</i> , food plant of <i>Ceratomia catalpae</i>	96	1	.....
eastern. (See <i>Catalpa bignonioides</i> .)			
hardy or western. (See <i>Catalpa speciosa</i> .)			
<i>speciosa</i> , food plant of <i>Ceratomia catalpae</i>	96	1	.....
sphinx. (See <i>Ceratomia catalpae</i> .)			
Catbird, enemy of <i>Ceratomia catalpae</i>	96	6	.....
grasshoppers.....	84	4	.....
Caterpillar lime. (See <i>Raupenleim</i> and <i>Dendrolene</i> .)			
Cat, host of <i>Pulex serraticeps</i>	13	3-4	.....
<i>Catolaccus anthonomi</i> , parasite of <i>Anthonomus signatus</i>	21, rev.	4	.....
<i>incertus</i> , parasite of <i>Anthonomus signatus</i>	21, rev.	4	.....
Cattle, host of <i>Hypoderma bovis</i> and <i>Hypoderma lineata</i>	25	1-10	.....
CAUDELL, ANDREW N., CURRIE, ROLLA P., and, circular, "An Index to Circulars 1 to 100 of the Bureau of Entomology"	100	i-ii, 1-49	.....
Cauliflower, food plant of <i>Diabrotica 12-punctata</i>	59	3	.....
<i>Pomonia brassicae</i>	60	4	.....
<i>Pontia rapae</i>	63, ed. 2	3	.....
Caustic potash and soap against round-headed apple-tree borer.....	32, rev. 3	6	.....
Ceanothus, food plant of <i>Diabrotica 12-punctata</i>	59	3	.....
<i>Cecidomyia destructor</i> (see also <i>Mayetiola destructor</i> .)			
circular.....	12, rev.	1-4	.....
= <i>Mayetiola destructor</i>	70	1	.....
remedies.....	12, rev.	3-4	.....
<i>leguminicola</i> . (See Clover-flower midge.)			
Cedar against clothes moths.....	36, rev.	6	.....
<i>Celatoria diabroticae</i> , parasite of <i>Diabrotica 12-punctata</i>	59	5	2
<i>vittata</i>	31, rev. 2	4	.....
<i>Cenocelcius populator</i> , parasite of <i>Saperda candida</i>	32, rev. 3	5	.....
Centipede, house (<i>Scutigera forceps</i>), circular	48	1-4	1-2
enemy of house fly.....	35	8	.....
remedies.....	71, rev.	9	9
<i>Ceratomia catalpae</i> , circular.....	96	1-7	1-2
remedies.....	96	6-7	.....
Cereal products, food of cockroaches.....	51, rev.	4	.....
<i>Ceresa bubalus</i> , general account	23	1-4	1-2
remedies.....	23	4	.....
<i>Cercis canadensis</i> , food plant of <i>Anthonomus signatus</i>	21, rev.	2	.....
<i>chinensis</i> , food plant of <i>Chrysobothris femorata</i>	32, rev. 3	10	.....
<i>japonica</i> = <i>Cercis chinensis</i>	32, rev. 3	10	.....
Chaitophorus.....	93, rev.	17	.....
Chalcididae, parasites of <i>Chrysobothris femorata</i>	32, rev. 3	11	.....
Chalcis fly, enemy of canker-worms	9	2	.....
<i>ovata</i> , parasite of <i>Thyridopteryx ephemeraeformis</i>	97	7	9
<i>Cheilosia alasakensis</i> , cause of "black check" in western hemlock.....	61	2-8	1-5
remedies.....	61	8, 10	.....
<i>hoodianus</i> , injury to lowland fir	61	8-9, 10	.....
Chenopodium, food plant of <i>Aphis gossypii</i>	80	5	.....
Cherry, black Tartarian, not infested by <i>Aspidiottus perniciosus</i>	3	1	.....
food plant of <i>Bryobia pratensis</i>	19	2	.....
<i>Conotrachelus nenuphar</i>	73	4, 5	.....
<i>Diabrotica 12-punctata</i>	59	3	.....
<i>vittata</i>	31, rev. 2	2	.....
<i>Eriocampoides limacina</i>	26	1, 3	.....
<i>Eulecanium nigrofasciatum</i>	88	2	.....
<i>Macrodactylus subspinosus</i>	11, rev.	2	.....
<i>Sannina exitiosa</i>	17	1	.....
<i>Scolytus rugulosus</i>	54	1-2	.....
ground. (See <i>Physalis</i> .)	29, rev.	2	.....
probable food plant of <i>Chrysobothris femorata</i>	32, rev. 3	10	.....
wild, food plant of <i>Malacosoma americana</i>	98	2	.....
Chess, soft. (See <i>Bromus hordaceus</i> .)			
Chestnut borer, two-lined. (See <i>Agrilus bilineatus</i> .)			
food plant of <i>Balaninus proboscideus</i>	99	2	.....
<i>rectus</i>	99	2	.....
<i>Chrysobothris femorata</i>	32, rev. 3	9	.....
weevil, larger. (See <i>Balaninus proboscideus</i> .)			
lesser. (See <i>Balaninus rectus</i> .)			
weevils, general account	99	1-12	.....
remedies	99	6-12	.....

	Circular No.	Page.	Figure.
Chickadee, enemy of <i>Malacosoma americana</i>	98	6	.....
Chicken (see also Poultry and Fowls.)			
enemy of <i>Balaninus caryae</i>	99	14	.....
<i>Conotrachelus nenuphar</i>	73	7	.....
mite. (See <i>Dermanyssus gallinæ</i> .)			
<i>Argas miniatæ</i> .)			
Chickens, prairie, enemies of grasshoppers.....	84	4	.....
Chickweed, food plant of <i>Aphis gossypii</i>	80	5	.....
“Chiggers,” circular.....	77	1-6	1-3
colloquial name for harvest mites.....	77	1	.....
eradication in the field.....	77	6	.....
Chigoe. (See <i>Sarcopsylla penetrans</i> .)			
<i>Chilocorus bipustulatus</i> , enemy of <i>Aphis gossypii</i>	80	6	.....
<i>Leptinotarsa decemlineata</i>	87	10	.....
<i>Pulvinaria innumerabilis</i>	64	3	.....
Chinch bug (<i>Blissus leucopterus</i>), a wheat pest in the United States.	70	1	.....
prey of bobwhite or quail.....	87	11	.....
colloquial name for <i>Cimex lectularius</i>	47, rev.	2	.....
Chinquapin, food plant of <i>Balaninus proboscideus</i>	99	4	.....
“Chintzé,” colloquial name for <i>Cimex lectularius</i>	47, rev.	2	.....
<i>Chionaspis</i> sp., on <i>Davallia moreana</i>	37, rev. 2	2	.....
<i>Chirocachys colon</i> , parasite of <i>Scolytus rugulosus</i>	29, rev.	6	4
CHITTENDEN, F. H., circular, “Harvest Mites, or Chiggers,”	77	1-6	1-3
“Root Maggots and How to Control Them”.....	63, ed. 2	1-7	1-5
“The Cabbage Hair-worm”.....	62, rev.	1-6	1
“The Colorado Potato Beetle (<i>Leptinotarsa decemlineata</i> L.)”.....	87	1-15	1-6
“The Common Squash Bug (<i>Anasa tristis</i> De G.)”.....	39, rev. 2	1-5	1-3
“The Corn Root-worms”.....	59	1-8	1-3
“The Destructive Green Pea Louse (<i>Nectarophora destructor</i> Johns.)”.....	43	1-8	1-3
“The Fruit-tree Bark-beetle (<i>Scolytus rugulosus</i> Ratz.)”.....	29, rev.	1-8	1-5
“The Imported Cabbage Worm (<i>Pontia rapæ</i> Linn.)”.....	60	1-8	1-6
“The Larger Apple-tree Borers”.....	32, rev. 3	1-11	1-3
“The Melon Aphis (<i>Aphis gossypii</i> Glov.)”.....	80	1-16	1-6
“The Nut Weevils”.....	99	1-15	1-14
“The Pea Aphis (<i>Macrosiphum pisi</i> Kalt.)”.....	43, ed. 2	1-10	1-7
“The Rose-chafer (<i>Macrodactylus subspinosus</i> Fab.)”.....	11, rev.	1-14	1
“The Squash-vine Borer (<i>Melittia satyriniformis</i> Hbn.)”.....	38, rev. 2	1-6	1-2
“The Strawberry Weevil (<i>Anthonomus signatus</i> Say.)”.....	21, rev.	1-10	1-5
“The Striped Cucumber Beetle (<i>Diabrotica virgata</i> Fab.)”.....	31, rev. 2	1-8	1-2
“The Two-lined Chestnut Borer (<i>Agrilus bilineatus</i> Weber.)”.....	24, rev.	1-7	1
HOWARD, L. O., and, circular, “The Bagworm (<i>Thyridopteryx ephemeraeformis</i> Haw.)”.....	97	1-10	1-11
“ <i>The Catalpa Sphinx (Ceratomia catalpæ</i> Bdv.)”.....	96	1-7	1-2
“ <i>The</i>	68	3-4	.....
<i>Chloridea virescens</i> , Paris green as remedy.....	35	6	.....
Chlorid of lime against house flies.....	{		
potash against seed-corn maggot.....	71, rev.	6	.....
Chokeberry, food plant of <i>Diabrotica virgata</i>	63, ed. 2	3	.....
<i>Saperda candida</i>	31, rev. 2	2	.....
Chrysanthemum, food plant of <i>Aleyrodes vaporariorum</i>	32, rev. 3	3	.....
<i>Diabrotica lutea-punctata</i>	57	2	.....
<i>Chrysobothris femorata</i> , general account.....	59	3	.....
remedies.....	32, rev. 3	8-11	3
<i>Chrysopa albicornis</i> , enemy of <i>Aphis gossypii</i>	32, rev. 3	11	.....
<i>attenuata</i> , enemy of <i>Aphis gossypii</i>	80	6	.....
larvæ, enemies of <i>Tetranychus gloveri</i>	80	6	.....
<i>lineaticornis</i> , enemy of <i>Aphis gossypii</i>	65	3	.....
<i>nigricornis</i> , enemy of <i>Aphis gossypii</i>	80	6	.....
<i>oculata</i> , enemy of aphides.....	80	6	.....
<i>Aphis gossypii</i>	81	8	8
<i>Macrosiphum pisi</i>	80	6	.....
<i>Psylla pyricola</i>	43, ed. 2	5	3
<i>plorabunda</i> , enemy of <i>Aphis gossypii</i>	7	5-7	.....
Cicada, periodical (<i>Tibicen septendecim</i>), a new nomenclature for broods, circular.....	80	6	.....
in 1897, circular.....	45	1-8	.....
1898, circular.....	22	1-4	.....
	30	1-3	.....

	Circular No.	Page.	Figure.
Cicada, periodical (<i>Tibicen septendecim</i>) in 1902, circular.....	44	1-4	1-2
1906, circular.....	74	1-5	1-3
1907, circular.....	89	1-4	1-3
17-year brood X, 1902.....	44	1-3	.....
XI, 1903.....	44	2	.....
XIV, 1906.....	74	1-4	.....
XV (Riley), 1880-1897- 1914.....	22	2-3	.....
XVII (Riley), 1881- 1898.....	30	2-3	.....
13-year brood VI (Riley), 1884-1897- 1910.....	22	3-4	.....
VII (Riley), 1885-1898.....	30	1-2	.....
XVIII.....	74	4-5	.....
XIX, 1907.....	89	2-4	2
<i>septendecim</i> . (See Cicada, periodical.)			
<i>Cichorium intybus</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	.....
<i>Cimex lectularius</i> . (See Bedbug.)			
Cinquefoil, yellow-flowered. (See <i>Potentilla canadensis</i> .)			
Circulars of the Bureau of Entomology, index to Nos. 1 to 100.....	100	i-ii, 1-49	.....
<i>Cissus discolor</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	.....
Citrus, food plants of <i>Aleyrodes citri</i>	57	4	.....
Clay and cow manure against two-lined chestnut borer.....	24, rev.	6	.....
lime, Paris green, soap, and carbolic acid against peach-tree borer.....	{ 17	4	.....
..... 54		4	.....
..... 60		4	.....
Cleome, food plant of <i>Pontia rapz</i>	29, rev.	6	.....
Clerid larva, enemy of <i>Scolytus rugulosus</i>	29, rev.	6	.....
<i>Clerus ichneumoneus</i> , enemy of <i>Scolytus rugulosus</i>	78	6	1-2
<i>Clivina impressifrons</i> , circular.....	78	5-6	.....
..... remedies.....	78	1	.....
<i>planicollis</i> , habitat.....			
Clothes moth, southern. (See <i>Tineola biselliella</i> .)			
moths. (See Moths, clothes.)			
Clothing, starched, eaten by <i>Lepisma saccharina</i>	49	1, 2	.....
Clover, alsike, food plant of <i>Hylastinus obscurus</i>	67	3	.....
..... crimson, food plant of <i>Bruchophagus funebris</i>	69	8	.....
..... <i>Diabrotica 12-punctata</i>	59	3	.....
..... <i>Macrosiphum pisi</i>	43, ed. 2	3, 4	.....
flower midge (<i>Dasyneura leguminicola</i>), general account.....	69	3-7	2-4
..... remedies.....	69	6-7	.....
..... work in relation to that of clover-seed chalcis.....	69	2	.....
..... work in relation to that of <i>Phytonomus punctatus</i>	69	1-2	.....
food plant of <i>Aphis gossypii</i>	80	5	.....
..... <i>Bryobia pratensis</i>	19, ed. 2	1, 2, 4	.....
..... <i>Diabrotica 12-punctata</i>	59	3	.....
..... <i>longicornis</i>	59	7	.....
leaf weevil. (See <i>Phytomus punctatus</i> .)			
mammoth, food plant of <i>Hylastinus obscurus</i>	67	3	.....
mite. (See <i>Bryobia pratensis</i> .)			
red (see also <i>Trifolium pratense</i>). food plant of <i>Bruchophagus funebris</i>	69	8	.....
..... <i>Dasyneura leguminicola</i>	69	5	.....
..... <i>Hylastinus obscurus</i>	67	3-4	.....
..... <i>Macrosiphum pisi</i>	43, ed. 2	4	.....
..... insects affecting production of seed, circular.....	69	1-9	1-8
root-borer. (See <i>Hylastinus obscurus</i> .)			
seed chalcis (see also <i>Bruchophagus funebris</i>). work in relation to that of clover-flower midge.....	69	2	.....
seldom or never eaten by <i>Leucania unipuncta</i>	4	1	.....
Cluster fly. (See <i>Pollenia rufa</i> .)			
<i>Cnemidocoptes gallinæ</i> , parasite of chickens.....	92	4	.....
..... <i>mutans</i> , cause of "scaly-leg" in chickens.....	92	3	.....
Coal oil. (See Kerosene.)			
Cobwebs, food of <i>Tineola biselliella</i>	36	4	.....
<i>Coccinella 9-notata</i> , enemy of <i>Aphis gossypii</i>	80	6, 7	3, f, g
..... <i>Leptinotarsa decemlineata</i>	87	10	.....
..... <i>Macrosiphum pisi</i>	43, ed. 2	5	.....
..... <i>Schizoneura lanigera</i>	20, rev.	6	.....
..... <i>Toxoptera graminum</i>	85	5	.....
..... <i>sanguinea</i> (see also <i>Cycloneda sanguinea</i>). enemy of <i>Leptinotarsa decemlineata</i>	87	10	.....
..... <i>Macrosiphum pisi</i>	43, ed. 2	5	.....
..... <i>Toxoptera graminum</i>	85	5	.....
<i>Coccophagus flavoscutellum</i> , parasite of <i>Pulvinaria innumerabilis</i>	64	4	.....
..... <i>lecanii</i> , parasite of <i>Pulvinaria innumerabilis</i>	64	4	.....
sp., parasite of <i>Eulecanium nigrofasciatum</i>	88	3	.....

	Circular No.	Page.	Figure.
Cocklebur, food plant of <i>Euthrips nicotianae</i>	68	2	
Cockroach, American. (See <i>Periplaneta americana</i> .)			
Australian. (See <i>Periplaneta australasiae</i> .)			
black. (See <i>Blatta orientalis</i> .)			
German. (See <i>Blattella germanica</i> .)			
oriental. (See <i>Blatta orientalis</i> .)			
Cockroaches, circular.....	51, rev.	1-14	1-5
enemies of bedbug.....	47, rev.	7	
hydrocyanic-acid gas as remedy.....	51, rev.	5	
prey of <i>Scutigera forceps</i>	46, rev.	1, 2	
remedies.....	48	2	
Codling moth (<i>Carpocapsa pomonella</i>), arsenicals as insecticides.....	51, rev.	11-14	
quarantine regulations of New Zealand against introduction.....	1	6	
COLCORD, MABEL, circular, "List of Publications of the Bureau of Entomology," rev. to Feb. 1, 1910.....	41	4	
Cold. (See Temperature and Weather.)	76	1-32	
storage against black carpet beetle.....	36, rev.	8	
clothes moths.....	36, rev.	7-8	
chestnut weevils.....	99	11	
Coleus, food plant of <i>Aleyrodes vaporariorum</i>	57	2	
<i>Orthezia insignis</i>	57	3	
fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
Collodion, remedy for "chiggers".....	37, rev. 2	3	
Colorado, requirements relative to shipment of nursery stock.....	77	6	
Comys <i>fusca</i> , parasite of <i>Pulvinaria innumerabilis</i>	75, rev. 2	2	
Connecticut, requirements relative to shipment of nursery stock.....	64	4	
<i>Conotrachelus nenuphar</i> . (See Curculio, plum.)	75, rev. 2	2	
<i>Contarinia</i> spp., enemies of <i>Aphis gossypii</i>	80	6	
<i>tritici</i>	69	3	
Cooperation against catalpa sphinx.....	96	7	
chestnut weevils.....	99	12	
Colorado potato beetle.....	87	15	
grasshoppers.....	84	9	
Copper compounds ineffective against rose-chafer.....	11, rev.	3	
COUILLETT, D. W., circular, "Canker-worms".....	9	1-4	1-4
"Synoptic Tables of the North American Mosquitoes".....	40	4-7	
Corn, food plant of <i>Aphis maidi-radicis</i>	86	1, 4-9	
<i>maidis</i>	86	1-3	
<i>Diabrotica 12-punctata</i>	59	2, 3, 4	
<i>longicornis</i>	59	7	
<i>vittata</i>	31, rev. 2	2	
<i>Diatraea saccharalis</i> [corn stalk-borer].....	16	1-2	
<i>Leucania unipuncta</i>	4	1	
<i>Macrodactylus subspinosus</i>	11, rev.	2	
<i>Pegomya fasciceps</i>	63, ed. 2	1	
<i>Tetranychus gloveri</i>	65	3	
<i>Toxoptera graminum</i>	85	4	
leaf aphis. (See <i>Aphis maidis</i> .)	93, rev.	5	
meal against imported cabbage worm.....	60	8	
and Paris green against tobacco budworms.....	68	3-4	
root aphis. (See <i>Aphis maidi-radicis</i> .)			
worm, Southern. (See <i>Diabrotica 12-punctata</i> .)			
Western or Northern. (See <i>Diabrotica longicornis</i> .)			
worms, circular.....	59	1-8	1-3
remedies.....	59	5, 7-8	
seed eaten by <i>Clivina impressifrons</i>	78	1-5	
treatment before planting to repel corn root-aphis.....	86	12	
stalk-borer, larger. (See <i>Diatraea saccharalis</i> .)			
Cornus, food plant of <i>Aphis gossypii</i>	80	5	
Corrosive sublimate against bedbug.....	47, rev.	7	
clothes moths.....	36, rev.	7	
Cosmos, food plant of <i>Diabrotica 12-punctata</i>	59	3	
Cotton aphis. (See <i>Aphis gossypii</i> .)			
Cotton boll weevil. (See Weevil, Mexican cotton-boll.)			
food plant of <i>Anthonomus grandis</i>	6, 14, 18, 27, 33, 56, 95, rev.		
<i>Aphis gossypii</i>	80	4	
<i>Diabrotica 12-punctata</i>	59	3	
<i>longicornis</i>	59	7	
<i>Tetranychus gloveri</i>	65	1-2	
red spider. (See <i>Tetranychus gloveri</i> .)			
seed, infestation by boll weevil.....	27	4	
14	7-8		
18	7-8		
27	6-7		
33	4-5		
56			
stalks, early fall destruction against boll weevil.....	95, rev.		

	Circular No.	Page.	Figure.
Cotton, volunteer or seppa, and the boll weevil.	14 27 33 56 95, rev.	6, 8 6 3 5 7	
Cottonwood (see also Poplar, Carolina).			
<i>Aradus</i> sp. under bark of dead tree.	47, rev.	4	
injury by <i>Ceresa bubalus</i> .	23	2	
<i>Oberea schaumi</i> following work of <i>Ceresa bubalus</i> .	. 23 19, ed. 2 32, rev. 3 39, rev. 2 21, rev.	2 3 10 5 6	
Covering the plants against squash bug.	31, rev. 2	4-5	
strawberry weevil.	84	4	
young plants against striped cucumber beetle.	24, rev.	6	
Cowbird, enemy of grasshoppers.	65	3	
Cow manure and clay against two-lined chestnut borer.			
Cowpea, food plant of <i>Tetranychus gloveri</i> .			
Crab apple. (See Apple, crab.)			
<i>Crataegus oxyacantha</i> , food plant of <i>Aphis mali</i> .	81 81	5 7	
<i>sorbi</i> .	88	2	
<i>spp.</i> , food plants of <i>Euonymus nigrofasciatum</i> .	29, rev. 24, rev. 50, rev.	8 7 7	
Creosote against fruit-tree bark-beetle.			
two-lined chestnut borer.	84	9	
white ants.	6	5	
Criddle mixture against grasshoppers.			
Crop rotation against boll weevil.			
cabbage maggot.	63, ed. 2	4	
corn root-aphis.	86	9	
stalk-borer.	16	3	
Hessian fly.	12, rev.	4	
joint-worm.	70	14	
western corn root-worm.	66, rev.	7	
“Croton bug,” colloquial name for <i>Blattella germanica</i> .	59	8	
Crotoms, fumigation with hydrocyanic-acid gas.	51, rev.	1	
Crow, enemy of <i>Leptinotarsa decemlineata</i> .	37, rev. 2	3	
<i>Malacosoma americana</i> .	87	12	
malarial parasite thereof carried by mosquitoes.	98	6	
Cuckoo, enemy of <i>Leptinotarsa decemlineata</i> .	40	1	
black-billed, enemy of <i>Malacosoma americana</i> .	87	12	
yellow-billed, enemy of <i>Malacosoma americana</i> .	98	6	
Cuckoos, enemies of <i>Ceratomia catalpae</i> .	96	6	
grasshoppers.	84	4	
Cucumber (see also Cucurbits).			
beetle, striped. (See <i>Diabrotica vittata</i> .)			
twelve-spotted. (See <i>Diabrotica 12-punctata</i> .)			
food plant of <i>Aleyrodes vaporariorum</i> .	57	1, 2	
<i>Diabrotica 12-punctata</i> .	59	2, 3	
<i>vittata</i> .	31, rev. 2 38, rev. 2	1 2	
<i>Melittia satyriniformis</i> .			
prickly. (See <i>Echinocystis lobata</i> .)			
louse, colloquial name for <i>Aphis gossypii</i> .	80	5	
Cucurbit insects, remedies.	80	16	
Cucurbits (see also Cantaloupe, Cucumber, Cymling, Melons, Muskmelon, Pumpkin, Squash, and Watermelon).			
food plants of <i>Aphis gossypii</i> .	80	4	
<i>Diabrotica longicornis</i> .	59	7	
<i>Culex annulatus</i> Osten Sacken probably = <i>Culex consobrinus</i> .	40	6	
status.	40	6	
<i>bigoti</i> , status.	40	6	
<i>bosrii</i> probably = <i>Culex pungens</i> .	40	7	
status.	40	6	
<i>consobrinus</i> .	40	4	
distinctive characters of adult.	40	5, 6	
synonyms.	40	6	
<i>conterrens</i> = <i>Psorophora ciliatus</i> .	40	7	
<i>cubensis</i> .	72	3	
probably = <i>Culex pungens</i> .	40	7	
status.	40	6	
<i>damnosus</i> = <i>Culex tenuiorhynchus</i> .	40	7	
distinctive characters of adults.	40	4	
<i>excitans</i> , <i>Culex annulatus</i> a probable synonym.	40	6	
distinctive characters of adult.	40	5, 6	
<i>excruciatus</i> .	40	7	
distinctive characters of adult.	40	6	
<i>fasciatus</i> , distinctive characters of adult.	40	5	
synonyms.	40	7	
<i>fatigans</i> , distinctive characters of larva.	72	3	
<i>ferruginosus</i> .	40	4	
probably = <i>Anopheles crucians</i> .	40	5	
<i>frater</i> = <i>Culex fasciatus</i> .	40	7	
status.	40	6	
<i>impatiens</i> = <i>Culex consobrinus</i> .	40	6	

	Circular No.	Page.	Figure.
<i>Culex impiger</i>	40	4, 5, 7	
distinctive characters of adult	40	5	
synonyms	40	7	
<i>implacabilis</i> = <i>Culex impiger</i>	40	7	
<i>incidens</i> = <i>Culex impiger</i>	40	7	
status	40	6	
<i>inornatus</i> = <i>Culex consobrinus</i>	40	6	
<i>mexicanus</i> probably = <i>Culex posticatus</i>	40	7	
status	40	6	
<i>moestus</i> = <i>Psorophora ciliatus</i>	40	7	
<i>mosquito</i> = <i>Culex fasciatus</i>	40	7	
<i>musicus</i> = <i>Culex posticatus</i>	40	7	
<i>nigripes</i>	40	6	
<i>perturbans</i>	40	7	
distinctive characters of adult	40	6	
<i>pinguis</i> = <i>Culex consobrinus</i>	40	6	
<i>pipiens</i> , distinctive characters of larva	72	3	
<i>posticatus</i> , distinctive characters of adult	40	5	
synonyms	40	7	
<i>provocans</i> probably = <i>Culex stimulans</i>	40	7	
status	40	6	
<i>punctor</i> = <i>Culex consobrinus</i>	40	6	
<i>pungens</i>	40	1, 5	
distinctive characters of adult	40	5, 6	
habits	13	1	
synonyms	40	7	
<i>quinquefasciatus</i>	40	4	
probably = <i>Culex impiger</i>	40	7	
resting position of adult	40	3	3
<i>restuans</i> , distinctive characters of larva	72	4	
<i>rubidus</i> probably = <i>Psorophora ciliatus</i>	40	7	
status	40	6	
<i>salinarius</i> , distinctive characters of larva	72	2, 3	1
<i>signifer</i>	40	7	
distinctive characters of adult	40	6	
<i>solicitans</i> = <i>Culex tenuiorhynchus</i>	40	7	
<i>stimulans</i> , <i>Culex provocans</i> probably a synonym	40	7	
distinctive characters	40	5	
tables of North American species, adults	40	5-6	
<i>tenuiorhynchus</i>	40	7	
<i>tenuiorhynchus</i> , adult	40	2, 5	2
distinctive characters of adult	40	5	
synonyms	40	7	
<i>tarsalis</i>	40	7	
distinctive characters of adult	40	5, 6	
larva	72	3	
<i>territans</i> , distinctive characters of larva	72	3	
probably = <i>Culex pungens</i>	40	7	
status	40	6	
<i>testaceus</i> probably = <i>Culex consobrinus</i>	40	6	
status	40	6	
<i>triseriatus</i>	40	7	
distinctive characters of adult	40	5	
unrecognized North American species	40	6	
<i>Culicella dyari</i> , distinctive characters of larva	72	2	
<i>Culicinæ</i> , distinctive characters of larvæ	72	1	
<i>Culiceta absobrinus</i> , distinctive characters of larva	72	4	
<i>consobrinus</i> , distinctive characters of larva	72	4	
Cultural methods against army worm	4	4	
	14	6-8	
	18	6-8	
boll weevil	27	6-7	
	33	4-6	
	56	1-7	
	95, rev.	1-8	
buffalo tree-hopper	23	4	
cabbage maggot	4	4	
catalpa sphinx	96	6	
chestnut weevils	99	11-13	11-12
clover flower midge	69	6-7	
root-borer	67	4-5	
seed chalcis	69	9	
Colorado potato beetle	87	13	
corn root aphis	86	9-12	
worm, Southern	59	5	
Wcstern	59	8	
stalk-borer	16	3	
cotton red spider	65	4	
flat-headed apple-tree borer	32, rev. 3	11	
fruit-tree bark-beetle	29, rev.	6-7	
grasshoppers	84	7-8	
"green bug"	85	6	
hazelnut weevil	93, rev.	19, 20-22	
	99	15	

	Circular No.	Page.	Figure.
Cultural methods against Hessian fly	{ 12, rev. imported cabbage worm joint-worm locust borer melon aphis pea aphis pecan weevil periodical cicada plum curculio rose-chafers round-headed apple-tree borer squash bug vine borer strawberry weevil striped cucumber beetle tobacco thrips two-lined chestnut borer yellow-winged locust	3-4 13-16 8 5-7 7 15 9-10 14-15 5 10 5 10 5 5-6 5-6 2-3 6 2 6 1-10 1-5 6.7-10 1-5 10 2	
Curculio, plum (<i>Conotrachelus nenuphar</i>), arsenicals as insecticides	1	6	
circular	73	1-10	1-5
remedies	73	6.7-10	1-5
32, rev. 3	10		
64	2		
Currant, food plant of <i>Chrysobothris femorata</i>			
<i>Pulvinaria innumerabilis</i>			
CURRIE, ROLLA P., and ANDREW N. CAUDELL, circular, "An index to Circulars 1 to 100 of the Bureau of Entomology"	100	i-ii-1-49	
Curtains, starched, eaten by <i>Lepisma saccharina</i>	49	2	
Cuspidors, breeding place of <i>Musca domestica</i>	35	5	
Cutting locust at certain periods to destroy locust borer	83	4	
out peach-tree borers	{ 17 round-headed apple-tree borers useless trees against apple-tree tent caterpillar	4 5-6 5-6 6-7	
<i>Cycloneda sanguinea</i> (see also <i>Coccinella sanguinea</i>)	80	6	
enemy of <i>Aphis gossypii</i>	83	1-8	1-4
remedies	83	4-8	
Cymling (see also Curcurbita and Squash)			
food plant of <i>Melittia satyriformis</i>	38, rev. 2	3	
Cyperus, food plant of <i>Diabrotica 12-punctata</i>	59	4	
Cypress, girdled, prevention of insect injury	82	3-4	
host tree of <i>Platypus compositus</i>	82	2-3	
pin-borer, girdled. (See <i>Platypus compositus</i> .)			
pinhole injury, circular	82	1-4	1
<i>Cyrtonoeura stabulans</i> (see also <i>Muscina stabulans</i>)	35	2, 6	6
in houses			
D.			
<i>Dactylis glomerata</i> , food plant of <i>Toxoptera graminum</i>	{ 85 93, rev.	4 5	
<i>Dactylopius adonidum</i> on grape	37, rev. 2	4	
remedy	37, rev. 2	4	
Dahlia, food plant of <i>Diabrotica 12-punctata</i>	59	3	
Daisy, ox-eye, food plant of <i>Macrodactylus subspinosus</i>	11, rev.	4	
Dandelion, food plant of <i>Aphis gossypii</i>	80	5	
"Däne," colloquial name for <i>Blattella germanica</i>	51, rev.	2	
<i>Daremma catalpæ</i> , same as <i>Ceratomia catalpæ</i>	96	1	
<i>Dasyneurus leguminicola</i> . (See Clover-flower midge.)			
Datura, food plant of <i>Aphis gossypii</i>	80	5	
<i>Leptinotarsa decemlineata</i>	87	8	
probable food plant of <i>Diabrotica 12-punctata</i>	59	4	
<i>Davallia mooreana</i> , food plant of <i>Chionaspis sp.</i>	37, rev. 2	2	
<i>Deinocerites cancer</i> , distinctive characters of larva	72	3	
Delaware, requirements relative to shipment of nursery stock	75, rev. 2	2	
<i>Dendroctonus frontalis</i> , destructive to pine and spruce	24, rev.	1	
sp., injury to <i>Pinus murrayana</i>	61	9	
<i>ponderosa</i>	61	9	
Dendrolene against two-lined chestnut-borer	24, rev.	7	
<i>Dermanyssus gallinæ</i> , general account	92	1-3	1
remedies	92	3	
Deutzias, food plants of <i>Macrodactylus subspinosus</i>	11, rev.	4	
Dewberry, food plant of <i>Anthonomus signatus</i>	21, rev.	2	
<i>Diabrotica 12-punctata</i> , general account	59	1, 2-5	1-2
remedies	59	5	
<i>longicornis</i> , general account	59	1, 6-8	3
remedies	59	8	
<i>soror</i> , pest in Pacific States	59	3	
<i>vittata</i> , carrier of fungous diseases of plants	59	7	
circular	31, rev. 2	1-8	1-2
enemy of cucurbits	39, rev. 2	1	
remedies	31, rev. 2	4-8	
<i>Diaspis pentagona</i> , lime, sulphur, and salt wash as remedy	52, ed. 2	2	

	Circular No.	Page.	Figure.
<i>Diatraea saccharalis</i> [larger corn stalk-borer], general account remedies.....	16 16 16	1-3 3 1	1-3
[sugar-cane borer], distribution.....			
<i>Dibrachys boucheanus</i> , secondary parasite of <i>Thyridopteryx ephemeraeformis</i>	97	7-8	10
<i>Dieffenbachia jenmani</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
<i>Diglochis omnivorus</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>Diiodia</i> , food plant of <i>Aphis gossypii</i>	80	5	
<i>Diplodus luridus</i> , enemy of <i>Malacosoma americana</i>	98	6	
<i>Diplosis</i> . (See <i>Contarinia</i> .) <i>tritici</i> . (See <i>Contarinia tritici</i> .)			
Disease, bacterial wilt, of curcubits, cotton, and cowpeas. (See <i>Bacillus tracheiphilus</i> and <i>Neocosmospora vasinfecta</i> .)			
fungous, of grasshoppers.....	84	5-7	6-7
leaf-spot, of catalpa. (See <i>Phyllosticta catalpax</i> .)			
of <i>Malacosoma americana</i>	98	6	
Diseases, human, carriage by <i>Musca domestica</i>	71, rev.	3	
of brood of bees, circular.....	79	1-5	
remedies.....	79	3-5	
chickens attributed to presence of mites and lice.....	92	1	
induced by lice.....	92	5	
plants, fungous, carriage by <i>Diabrotica longicornis</i> and striped cucumber beetle.....	59	7	
transmission by <i>Anasa tristis</i> . <i>Diabrotica vittata</i>	39, rev. 2 31, rev. 2	2 2	
<i>Dissosteira carolina</i> , host of <i>Mermis albicans</i>	69, rev.	3	
<i>Distichlis spicata</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	5	
<i>Distropinolus aureoviridis</i> , parasite of <i>Isosoma tritici</i>	66, rev.	4	
Dock. (See <i>Rumex</i> .)			
Documents, destruction by <i>Termes flavipes</i>	50, rev.	5	
Dog, host of <i>Pulex serraticeps</i>	13	3-4	
Dogwood. (See <i>Cornus</i> .)			
DORSETT , P. H., and WOODS , ALBERT F., circular, "The Use of Hydrocyanic Acid Gas for Fumigating Greenhouses and Cold Frames".....	37, rev.	1-10	1-3
<i>Doryphora 10-lineata</i> — <i>Leptinotarsa decemlineata</i>	87	1	
"Drill worm," colloquial name for <i>Diabrotica 12-punctata</i>	59	2	
<i>Drosophila ampelophila</i> in houses.....	71, rev.	3, 5	7
Drought. (See Temperature and Weather.)			
Drugs, not recommended against American and European foul brood.....	79	3	
Drying against chestnut weevils.....	99	10-11	
Duck, enemy of <i>Leptinotarsa decemlineata</i>	87	12	
Dust against pear slug.....	26	6	
striped cucumber beetle.....	31, rev. 2	6	
and sulphur against cotton red spider.....	65	4	
DYAR , HARRISON G., circular, "Key to the Known Larvæ of the Mosquitoes of the United States".....	72	1-6	1
E.			
Earthworms mistaken for <i>Mermis albicans</i>	62, rev.	5	
<i>Echinocystis lobata</i> , food plant of <i>Diabrotica vittata</i> . <i>Melittia satyriniformis</i>	31, rev. 2 38, rev. 2	2 3	
<i>Ectobia germanica</i> . (See <i>Blattella germanica</i> .)			
Eggplant, food plant of <i>Aleyrodes vaporiarium</i>	57	2	
<i>Leptinotarsa decemlineata</i>	87	8	
<i>Eichhornia speciosa</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
Elder, food plant of <i>Thyridopteryx ephemeraeformis</i>	97	4	
Elm, food plant of <i>Bryonia pratensis</i>	19, ed. 2	2	
<i>Gallerucella tuteola</i>	8, rev.	1-4	
<i>Malacosoma americana</i>	98	2	
<i>Pulvinaria innumerabilis</i>	64	2	
<i>Scolytus rugulosus</i>	29, rev.	2	
<i>Thyridopteryx ephemeraeformis</i>	97	4	
leaf-beetle, circular.....	8, rev.	1-6	
remedies.....	15	3, 4	1
possible food plant of <i>Chrysobothris femorata</i>	8, rev.	4-6	
Elymus, food plant of <i>Mayetiola destructor</i> or related species.....	32, rev. 3	10	
<i>striatus</i> , food plant of <i>Toxoptera graminum</i>	70	7	
<i>Empusa aphydis</i> , fungous disease of <i>Macrosiphum pisi</i>	93, rev.	5	
muscae, fungous disease of <i>Musca domestica</i>	43, ed. 2	6	
<i>Eencyrtus</i> sp., parasite of <i>Eriocampoides limacina</i>	35	8	
<i>Entedon epigonus</i> , parasite of (<i>Cecidomyia</i>) <i>Mayetiola destructor</i>	{ 71, rev. 12, rev.	9 3	
<i>Evania appendigaster</i>	70	11	
Entomology, publications of Bureau, list, rev. to Feb. 1, 1910, circular.....	51, rev.	11	
<i>Epicalua vittata</i> , an "old-fashioned potato bug".....	76	1-32	
<i>Epilampra notabilis</i> , predaceous upon herbivorous larvæ.....	87	3	3
<i>Eragrostis</i> , possible food plant of <i>Toxoptera graminum</i>	51, rev.	2	
<i>Eriocampoides limacina</i> , circular.....	85	4	
remedies.....	26	1-7	1-4
	26	6-7	

	Circular No.	Page.	Figure.
<i>Eulecanium nigrofasciatum</i> , circular.	88	1-4	1-3
remedies.	88	3-4	
<i>persicæ</i> , confounded with <i>Eulecanium nigrofasciatum</i> .	88	2	
<i>prunastri</i> .	88	3	
<i>Eunotus lividus</i> , parasite of <i>Pulvinaria innumerabilis</i> .	64	4	
<i>Eupelmus allyni</i> , parasite of <i>Iosoma tritici</i> .	66, rev.	4	
<i>Mayetiola destructor</i> .	70	12	12-13
<i>reduvii</i> , parasite of <i>Anasa tristis</i> .	39, rev. 2	4	
spp., parasites of <i>Scolytus rugulosus</i> .	29, rev.	6	
<i>Eupeodes volucris</i> , enemy of <i>Aphis gossypii</i> .	80	6	
<i>Euphorocera claripennis</i> , parasite of <i>Ceratomia catalpæ</i> .	96	5	2
<i>Euproctis chrysorrhæa</i> , character, conditions in New England, July, 1904.	58	10-12	
control by collecting and burning winter webs.	58	11, 12	
<i>Eurytoma bicolor</i> , parasite of <i>Scolytus rugulosus</i> .	29, rev.	6	
<i>crassineum</i> , parasite of <i>Scolytus rugulosus</i> .	29, rev.	6	
<i>Euschistus variolarius</i> , enemy of <i>Leptinotarsa decemlineata</i> .	87	11	
<i>Eutelus flavipes</i> , parasite of <i>Cheilosia alaskensis</i> .	61	7-8	
<i>Euthrips nicotianæ</i> , circular.	68	1-5	1-2
remedies.	68	2-5	
<i>tritici</i> , the wheat thrips.	68	1	
<i>Evania appendigaster</i> , host of <i>Entedon hagenowi</i> .	51, rev.	11	
parasite of cockroaches.	51, rev.	11	
Excrement (see also Manure).			
human, breeding place of <i>Musca domestica</i> .	71, rev.	3	
<i>Exochomus contristatus</i> , enemy of <i>Aphis gossypii</i> .	80	6	
<i>Exorista vulgaris</i> , parasite of <i>Pontia rapæ</i> .	60	6	
F.			
Fall destruction of cotton stalks against boll weevil.			
	14	7-8	
	18	7-8	
	27	6-7	
	33	4-5	
	56		
	95, rev.		
	79	4	
	36, rev.	4	
	36, rev.	4	
	36, rev.	3, 4	
	36, rev.	5	
	37, rev. 2	2	
	12	3	
	66, rev.	5	
	86	12	
	63, ed. 2	3	
	63, ed. 2	3	
	37, rev. 2	3	
	61	9, 10	
	61	8-9, 10	
	61	9	
	white. (See Fir, lowland.)		
Fire. (See Burning.)			
“Fire-brat,” colloquial name for <i>Lepisma domestica</i> .	49	3	
Fireplaces, infestation by <i>Lepisma domestica</i> .	49	3	
Fish bait, larvae of <i>Ceratomia catalpæ</i> used therewith.	96	4	
dried, food of cockroaches.	51, rev.	2	
oil against two-lined chestnut borer.	24, rev.	7	
soap. (See Soap, fish-oil, and Soap, whale-oil.)			
Flea, cat and dog. (See <i>Pulex serraticeps</i> .)			
human. (See <i>Pulex irritans</i> .)			
Fleas, general account.	13	3-4	
hydrocyanic-acid gas as remedy.	46, rev.	1, 2	
remedies.	13	4	
Flies feeding on honeydew from aphides.	80	1	
house, as carriers of disease.	71, rev.	8	
circulars.	35	1-8	1-6
hydrocyanic-acid gas as remedy.	71, rev.	1-10	1-9
remedies.	46, rev.	2	
species occurring in houses.	71, rev.	5-8	
	35	5-9	
	71, rev.	1-3	
	35	1-3	
	71, rev.	1-6	
Flooding against eggs and young of grasshoppers.	84	8	
Floors, destruction by white ants.	50, rev.	1, 5	
Florida, requirements relative to shipment of nursery stock.	75, rev. 2	2	

	Circular No.	Page.	Figure.
Flour and sulphur against cotton red spider.....	65	4	
Fly, bluebottle. (See <i>Calliphora erythrocephala</i> and <i>Lucilia cæsar</i> .)			
cluster. (See <i>Pollenia rufida</i> .)			
fruit. (See <i>Drosophila ampelophila</i> .)			
green-bottle. (See <i>Lucilia cæsar</i> .)			
Hessian. (See <i>Cecidomyia destructor</i> and <i>Mayetiola destructor</i> .)			
house. (See <i>Musca domestica</i> .)			
meat. (See <i>Calliphora erythrocephala</i> .)			
paper, sticky, against house fly.....	35	5	
small bluebottle. (See <i>Phormia terraenovae</i> .)	71, rev.	5	
house. (See <i>Homalomyia canicularis</i> .)			
stable. (See <i>Cyrtoneura stabulans</i> , <i>Muscina stabulans</i> , and <i>Stomoxys calcitrans</i> .)			
typhoid. (See <i>Musca domestica</i> .)			
window. (See <i>Scenopinus fenestralis</i> .)			
Food, infestation by cockroaches.....			
house ants.....	51, rev.	4-5	
<i>Lepisma saccharina</i>	34, rev.	1	
Forage plants, food of <i>Bryobia pratensis</i>	49	1	
Forestalling outbreaks of grasshoppers.....	19, ed. 2	1	
Forest trees, food plants of <i>Macrodactylus subspinosus</i>	84	10	
injury by periodical cicada.....	11, rev.	2	
Formalin against powder-post beetles.....	30	1	
<i>Formica fusca</i> , enemy of <i>Anthonomus signatus</i>	55	4	
Foul brood, American, cause, circular.....	21, rev.	4	
description.....	94	1-4	
not the foul brood of Cheshire and Cheyne.....	79	1-2	
treatment.....	94	1	
European, description.....	79	3-4	
treatment.....	79	2	
of Cheshire and Cheyne, not American foul brood.....	94	3-4	
Fowls (see also Poultry and Chicken).		1	
diseases induced by lice.....	92	5	
enemies of bolt weevil.....	27	5-6	
grasshoppers.....	84	4	
<i>Leptinotarsa decemlineata</i>	87	12	
Foxtail, marsh. (See <i>Alopecurus geniculatus</i> .)			
yellow. (See <i>Irophorus glaucus</i> .)			
France, laws relative to importation of American plants, trees, and fruits.....	41	2	
“Franzosen,” colloquial name for <i>Blattella germanica</i>	51, rev.	2	
Frog, tree, enemy of cockroaches.....	51, rev.	11	
<i>Frontina frenchii</i> , parasite of <i>Ceratomia catalpae</i>	96	5	
<i>Malacosoma americana</i>	98	6	
Frost. (See Temperature and Weather.)			
Fruit flies, quarantine regulations of New England against introduction.....	41	4	
fly. (See <i>Drosophila ampelophila</i> .)			
trees, food plants of <i>Bryobia pratensis</i>	19, ed. 2	1, 2, 3, 4	
injury by buffalo tree-hopper.....	23	1-3	
protection against periodical cicada.....	22	1	
young, injury by periodical cicada.....	22	1	
30	1		
44	1-2		
74	5		
89	4		
Fruits, food of cockroaches.....	51, rev.	3	
garden, food plants of <i>Macrodactylus subspinosus</i>	11, rev.	2	
injury by <i>Leptocoris trivittatus</i>	28	1, 2	
Fuchsia, food plant of <i>Aleyrodes vaporariorum</i>	57	2	
fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
<i>Fumago salicina</i> , fungus following work of <i>Psylla pyricola</i>	7	2	
Fumigation. (See Carbon bisulphid, Hydrocyanic-acid gas, and under Tobacco.)			
Fungi, food of <i>Diabrotica longicornis</i>	59	7	
Fungous disease, believed to have caused disappearance of <i>Dendroctonus frontalis</i>	24, rev.	1	
of grasshoppers.....	84	6-7	
<i>Macrosiphum pisi</i>	43, ed. 2	6	
<i>Musca domestica</i> . (See <i>Empusa musca</i> .)			
<i>Phytonomus punctatus</i>	69	2	
plants, carriage by <i>Diabrotica longicornis</i>	59	7	
striped cucumber beetle.....	59	7	
<i>Pollenia rufida</i>	71, rev.	2	
Fungus, smoky. (See <i>Fumago salicina</i> .)			
Fur, food of <i>Tinea pellionella</i>	36, rev.	3	
<i>Tineola biselliella</i>	36, rev.	4	
<i>Trichophaga tapetzella</i>	36, rev.	5	
moths. (See Moths, clothes.)			
Furniture, destruction by <i>Termitess flavipes</i>	50, rev.	4, 5	
plush-covered, reported injury by <i>Lepisma saccharina</i>	49	2	
protection from injury by white ants.....	50, rev.	8	

	Circular No.	Page.	Figure.
G.			
<i>Galeruca xanthomelæna</i> . (See Elm leaf-beetle.)			
<i>Galerucella luteola</i> . (See Elm leaf-beetle.)			
Garbage, breeding place of <i>Musca domestica</i>	35 71, rev. 63, ed. 2 20, rev.	5 3 5 4	
Gas lime against cabbage maggot.....	35	6	
root form of woolly aphis.....	71, rev.	6	
impracticable against house flies.....	54	4	
tar against peach-tree borer.....	3	8-9	
treatment against San Jose scale.....	55	4	
Gasoline against powder-post beetles.....	62, rev.	5	
<i>Geophilus</i> spp., mistaken for <i>Mermis albicans</i>	75, rev. 2	2-3	
Georgia, requirements relative to shipment of nursery stock.....	57	2	
Geranium, food plant of <i>Aleyrodes vaporariorum</i>	50	6	
<i>Termes flavipes</i>	41	2-3	
Germany, laws relative to importation of American plants, trees, and fruits.....	73	1-10	1-5
Giant whips. (See <i>Spirochæta apis</i> .)	29, rev.	7	
Gipsy moth. (See <i>Portheria dispar</i> .)	82	3	
GIRALUT, A. A., JOHNSON, FRED, and, circular, "The Plum Curculio (<i>Conotrachelus nenuphar</i> Herbst)".....	83	2	
Girdling against fruit-tree bark-beetle.....	59	3	
at certain times to prevent pinhole injury in cypress.....	59	3	
Goldenrod flowers, frequented by adults of <i>Cyclene robiniae</i>	59	7	
food plant of <i>Diabrotica 12-punctata</i>	31, rev. 2	2	
<i>longicornis</i>	64	2	
<i>vittata</i>	64	2	
<i>Goniocotes abdominalis</i> , parasite of chickens.....	92	7	6
<i>Goniodes dissimilis</i> , parasite of chickens.....	92	7	5
"Gooseberry bugs," colloquial name for chiggers.....	77	4	
food plant of <i>Pulvinaria innumerabilis</i>	31, rev. 2	6	
Gourd as trap plant against striped cucumber beetle.....	38, rev. 2	2	
food plant of <i>Melittia satyriniformis</i>	72	3	
<i>Grabhamia discolor</i> , distinctive characters of larva.....	72	3	
<i>jamaicensis</i> , distinctive characters of larva.....	59	3	
Grain aphis, European. (See <i>Siphocoryne avenæ</i> .)	46, rev.	2	
spring. (See <i>Toxoptera graminum</i> .)	84	1	
moth, Angoumois. (See <i>Sitotroga cerealella</i> .)	4	1	
weevils, hydrocyanic-acid gas as remedy.....	46, rev.	2	
Grains, food plants of <i>Cannula pellucida</i>	46, rev.	1	
small, food plants of <i>Leucania unipuncta</i>	46, rev.	2	
Granaries, fumigation with hydrocyanic-acid gas.....	46, rev.	2	
Granary beetles, hydrocyanic-acid gas as remedy.....	46, rev.	2	
Grape, food plant of <i>Dactylopius adonidum</i>	37, rev. 2	4	
<i>Diabrotica 12-punctata</i>	59	3	
<i>Macrodactylus subspinosus</i>	11, rev.	1-2	
<i>Pulvinaria innumerabilis</i>	64	2	
Phylloxera, resin washes as insecticide.....	64	5	
Grapes under glass, fumigation with hydrocyanic-acid gas.....	37, rev.	4	
Grass, beard. (See <i>Polygonum monspeliensis</i> .)			
blue, food plant of <i>Leucania unipuncta</i>	4	1	
stem, food plant of <i>Bryobia pratensis</i>	19, ed. 2	2	
couch, food plant of <i>Toxoptera graminum</i>	85	4	
foxtail, food plant of <i>Aphis maidi-radicis</i>	86	6	
gama. (See <i>Tripsacum dactyloides</i> .)			
orchard. (See <i>Dactylis glomerata</i> .)			
sesame. (See <i>Tripsacum dactyloides</i> .)			
squirrel-tail. (See <i>Hordeum jubatum</i> .)			
Grasses, food of <i>Termes flavipes</i>	50, rev.	6	
plants of <i>Bryobia pratensis</i>	19	2, 3, 4	
<i>Cannula pellucida</i>	84	1	
<i>Leucania unipuncta</i>	4	1	
<i>Macrodactylus subspinosus</i>	11, rev.	2	
<i>Mayetiola destructor</i> or related species.....	70	7	
Grasshopper, differential. (See <i>Melanoplus differentialis</i> .)			
pellucid. (See <i>Cannula pellucida</i> .)			
problem and alfalfa culture, circular.....	84	1-10	1-8
Rocky Mountain. (See <i>Melanoplus spretus</i> .)			
two-striped. (See <i>Melanoplus bivittatus</i> .)			
yellow-winged. (See <i>Cannula pellucida</i> .)			
Grasshoppers, remedies.....	84	6-10	8
Grazing against boll weevil.....	56	4	
"Green arsenoid" against plum curculio.....	95, rev.	6	
Green-bottle fly. (See <i>Lucilia cæsar</i> .)	73	9	
"Green bug," colloquial name for <i>Toxoptera graminum</i>	85	1	
Greenhouse white fly. (See <i>Aleyrodes vaporariorum</i> .)	93, rev.	1	
Greenhouses and cold frames, fumigation with hydrocyanic-acid gas, circular.....	37, rev. 2	1-11	1-3
infestation by <i>Aleyrodes vaporariorum</i>	57	1-5	

	Circular No.	Page.	Figure.
Greenhouses, infestation by <i>Diabrotica vittata</i>	31, rev. 2	2	
<i>Leptocoris trivittatus</i>	28	3	
<i>Termites flavipes</i>	50, rev. 87	6	
Grosbeak, rose-breasted, enemy of <i>Leptinotarsa decemlineata</i>	87	11	
Ground beetle, fiery. (See <i>Calosoma calidum</i> .)			
slender seed-corn. (See <i>Leucania unipuncta</i> .)	4	4, 5	
ivy. (See <i>Neptea glechoma</i> .)			
Groundsel. (See <i>Senecio</i> .)			
Grouse, ruffed, enemy of <i>Leptinotarsa decemlineata</i>	87	12	
“Grubby cattle,” meaning of term.....	25	1	
“Grub,” colloquial name for <i>Hypoderma lineata</i>	25	1	
Grubs, white, kerosene emulsion as insecticide.....	1	5	
Gum, injury by <i>Platypus compositus</i>	82	3	
Gunpowder against cockroaches.....	51, rev. 39, rev. 2	13	
Gypsum and kerosene against squash bug.....	39, rev. 2	5	
turpentine against squash bug.....	39, rev. 2	5	
Gypsy moth. (See <i>Portheria dispar</i> .)			
H.			
<i>Habrocytus thyridopterigis</i> , hyperparasite of <i>Thyridopteryx ephemeraeformis</i>	97	8	11
probable parasite of <i>Allocota thyridopterigis</i>	97	8	
Hackberry, food plant of <i>Pulvinaria innumerabilis</i>	64	2	
<i>Hadronotus anasz</i> , parasite of <i>Anasa tristis</i>	39, rev. 2	4	
Hair, food of <i>Tineola biselliella</i>	36	4	
worm, cabbage (see also <i>Mermis albicans</i>). hosts.....	62, rev. 62, rev.	3	
positively not poisonous.....		5-6	
Hand destruction against house centipede.....	48	4	
method against plum curculio.....	73	10	
methods against seed-corn maggot.....	63, ed. 2	2	
squash-vine borer.....	38, rev. 2	5-6	
picking against apple-tree tent caterpillar.....	98	7	
bagworm.....	97	8-9	
cabbage maggot.....	63, ed. 2	4	
catalpa sphinx.....	96	6	
imported cabbage worm.....	60	8	
periodical cicada.....	89	4	
rose-chafers.....	11, rev. 39, rev. 2	3-4	
squash bug.....		4	
<i>Harpalus caliginosus</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	10	
Harvest mites or “chiggers,” circular.....	77	1-6	1-3
remedies.....	77	5-6	
Hawaii, requirements relative to shipment of nursery stock.....	75, rev. 2	3	
Haw, food plant of <i>Conotrachelus nenuphar</i>	73	4	
Hawk, sparrow, enemy of grasshoppers.....	84	4	
Swainson, enemy of grasshoppers.....	84	4	
Hawthorn, food plant of <i>Pulvinaria innumerabilis</i>	64	2	
<i>Scolytus rugulosus</i>	29, rev. 99	2	
Hazel, food plant of <i>Balaninus obtusus</i>		15	
Hazelnut weevil. (See <i>Balaninus obtusus</i> .)			
Heat. (See Temperature and Weather.)			
Heating against chestnut weevils.....	99	11	
powder-post beetles.....	55	4	
“Heel fly,” colloquial name for <i>Hypoderma lineata</i>	25	1	
<i>Heliothis obsoleta</i> , Paris green as remedy.....	68	3-4	
Heliotrope, food plant of <i>Aleyrodes vaporariorum</i>	57	2	
Hellebore against imported cabbage worm.....	60	8	
pear slug.....	26	7	
ineffective against rose-chafers.....	11, rev. 29, rev.	3	
<i>Hemerobius gossypii</i> , enemy of <i>Aphis gossypii</i>	80	6	
<i>Hemerocampa leucostigma</i> . (See Tussock moth, white-marked.)			
<i>Hemiteles mesochoridis</i> , parasite of <i>Apaneles congregatus</i>	96	5	
<i>scolytii</i> , parasite of <i>Scolytus rugulosus</i>	29, rev. 97	6	
<i>thyridopterigis</i> — <i>Allocota thyridopterigis</i>		6	
Hemlock bark beetle. (See <i>Hylesinus n. sp.</i>)			
maggot. (See <i>Cheilosia alaskensis</i> .)			
Western, “Black check” injury, circular.....	61	1-10	1-5
host tree of <i>Cheilosia alaskensis</i>	61	2-8	1, 3-5
<i>Hylesinus n. sp.</i>	61	2, 3	3
Henbane. (See <i>Hyoscyamus</i> .)			
Hen louse. (See <i>Menopon pallidum</i> .)			
manure, ineffective against strawberry weevil.....	21, rev. 36, rev.	7	
Herbariums, reported infestation by <i>Tineola biselliella</i>		4	
Hessian fly. (See <i>Cecidomyia destructor</i> and <i>Mayetiola destructor</i> .)			
<i>Heteropus ventricosus</i> . (See <i>Pediculoides ventricosus</i> .)			
<i>Hydrydea unica</i> , parasite of <i>Scolytus rugulosus</i>	29, rev.	6	
Hibiscus. (See Mallow and Malvaceous.)			
Hickory, food plant of <i>Chrysobothris femorata</i>	32, rev. 3	9	
<i>Hippodamia convergens</i> , enemy of <i>Aphis gossypii</i>	80	6, 7	3, a, b, c
<i>Leptinotarsa decemlineata</i>	87	10	4

	Circular No.	Page.	Figure.
<i>Hippodamia convergens</i> , enemy of <i>Macrosiphum pisi</i>	43, ed. 2	5	
<i>Toxoptera graminum</i>	85	5	3
<i>glacialis</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	10	
<i>Macrosiphum pisi</i>	43	5	
(parenthesis, enemy of <i>Toxoptera graminum</i>	85	5	
<i>13-punctata</i> , enemy of <i>Aphis gossypii</i>	80	6	
<i>Leptinotarsa decemlineata</i>	87	10	
<i>Macrosiphum pisi</i>	43, ed. 2	5	
<i>Hoffmannia refulgens</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
Hogs, enemies of nut weevils.....	99	12, 14	
<i>Holcoptile microgasteri</i> . (See <i>Horismenus microgasteri</i> .)			
<i>Homalodisca coagulata</i> , glassy-winged sharpshooter, mistaken for boll weevil.....	{ 6 27	2, 3 5	3
<i>Homalomyia brevis</i> in houses.....	{ 71, rev. canicularis in houses.....	2, 4 2	6
<i>Homoporus chalcidiphagus</i> , parasite of <i>Isosoma tritici</i>	{ 71, rev. 66, rev.	2 4	
Honeydew from corn root-aphis.....	86	8	
HOOKER, W. A., circular, "The Tobacco Thrips and Remedies to Prevent 'White Veins' in Wrapper Tobacco (<i>Euthrips nicotianae Hinds</i>)".....	68	1-5	1-2
Hop, food plant of <i>Aphis gossypii</i>	80	5	
<i>Phorodon humuli</i>	2	3-4	
HOPKINS, A. D., circular, "Pinhole Injury to Girdled Cypress in the South Atlantic and Gulf States".....	82	1-4	1
"Powder-Post Injury to Seasoned Wood Products".....	55	1-5	1
"The Locust Borer and Methods for its Control".....	83	1-8	1-4
"The White-Pine Weevil".....	90	1-8	1-6
Hopperdozer against grasshoppers.....	84	8-9	8
yellow-winged locust.....	53	2-3	
<i>Hordeum cespitosum</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	5	
<i>jubatum</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	5	
<i>murinum</i> , food plant of <i>Toxoptera graminum</i>	85	4	
<i>pusillum</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	5	
<i>Horismenus microgasteri</i> , parasite of <i>Microplitis (A. panteles) catalpae</i>	96	5	
Horse-chestnut, food plant of <i>Chrysobothris femoralis</i>	32, rev. 3	9	
Horse droppings, salt, and Paris green against grasshoppers.....	84	9	
host of <i>Dermamyces gallinae</i>	92	2	
mint. (See <i>Monarda fistulosa</i> .)			
nettle, food plant of <i>Diabrotica 13-punctata</i>	59	3	
Horseradish, food plant of <i>Pontia rapae</i>	60	4	
House centipede. (See <i>Scutigera forceps</i> .)			
cleaning against carpet beetle.....	5, rev.	3-4	
clothes moths.....	36, rev.	5-6	
fleas.....	13	4	
fly. (See <i>Musca domestica</i> .)			
small. (See <i>Homalomyia canicularis</i> .)			
Houses, infestation by <i>Bryobia pratensis</i>	19, ed. 2	1, 4	
<i>Cimex lectularius</i>	47, rev.	1-8	
sp., from swallow.....	47, rev.	3	
cockroaches.....	51, rev.	1-14	
flies, circulars.....	{ 35 71, rev.	1-8 1-10	1-6
<i>Lepisma saccharina</i>	49	1-4	
<i>Leptocoris trivittatus</i>	28	1.3	
<i>Monomorium minutum</i>	34, rev.	1.3	
<i>pharaois</i>	34, rev.	1.2	
<i>Scutigera forceps</i> , circular.....	48	1-4	1-2
<i>Tetramorium cespitum</i>	34, rev.	1.3-4	
<i>Termites flavipes</i>	50, rev.	1	
HOWARD, L. O., circular, "An Important Enemy to Fruit Trees. The San Jose Scale; its Appearance in the Eastern United States; Measures to be Taken to Prevent its Spread and to Destroy it".....	3	1-10	1-5
"General Work against Insects which Defoliate Shade Trees in Cities and Towns".....	15	1-4	
"House Flies (<i>Musca domestica</i> et al.)".....	{ 35 71, rev.	1-8 1-10	1-6
"How to Distinguish the Different Mosquitoes of North America".....	40	1-7	1-3
"Hydrocyanic-acid Gas against Household Insects".....	46, rev.	1-7	
"Mosquitoes and Fleas".....	13	1-4	
"Regulations of Foreign Governments Regarding Importation of American Plants, Trees, and Fruits".....			
"Remedial Work against the Mexican Cotton-boll Weevil".....	41	1-4	
"The Army Worm (<i>Leucania unipuncta Haw.</i>)".....	33	1-6	
"The Box-elder Plant-bug (<i>Leprocoris trivittatus Say</i>)".....	4	1-5	1-3
	28	1-3	1

	Circular No.	Page.	Figure.
HOWARD, L. O., circular "The Carpet Beetle or 'Buffalo Moth' (<i>Anthonomus scrophulariae</i> L.)".....	5, rev.	1-4	1
"The Harlequin Cabbage Bug or Calico Back (<i>Murgantia histrionica</i> Hahn)".....	10	1-2	[1]
"The Larger Corn Stalk-borer (<i>Diatraea saccharalis</i> Fab.)".....	16	1-3	1-3
"The Mexican Cotton-boll Weevil (<i>Anthonomus grandis</i> Boh.)".....	6 14 18	1-5 1-8 1-8	1-3 1-5 1-5
"The Mexican Cotton-boll Weevil in 1897".....	27	1-7	.....
and CHITTENDEN, F. H., circular, "The Bagworm (<i>Thyridopteryx ephemeraeformis</i> Haw.)".....	97	1-10	1-11
"The Catalpa Sphinx (<i>Ceratomia catalpae</i> Bdv.)".....	96	1-7	1-2
HUNTER, W. D., circular, "Note on the occurrence of the North American fever tick on sheep".....	91	1-3	.....
"The Most Important Step in the Control of the Boll Weevil".....	95, rev.	1-8	.....
"The Most Important Step in the Cultural System of Controlling the Boll Weevil".....	56	1-7	.....
"The Periodical Cicada in 1902".....	44	1-4	1-2
Hydrangea, food plant of <i>Aphis gossypii</i>	80	5	.....
Hydrocyanic-acid gas against bedbugs.....	47, rev.	6	.....
book-lice.....	46, rev.	1	.....
carpet beetle.....	5, rev.	4	.....
cockroaches.....	51, rev.	12	.....
greenhouse white fly.....	57	5-8	.....
household insects, circular.....	46, rev.	1-7	.....
mealy bugs, etc.....	37, rev. 2	4	.....
melon aphis.....	80	9	.....
plant-lice.....	46, rev.	1	.....
San Jose scale in nursery stock.....	42, ed. 5	7	.....
scale (<i>Chionaspis</i> sp.).....	37, rev. 2	2	.....
insects on citrus trees.....	46, rev.	1	.....
pests in greenhouses and cold frames.....	37, rev.	1	.....
stored-product insects.....	46, rev.	2	.....
thrips.....	46, rev.	1	.....
white ants.....	50, rev.	8	.....
fly.....	46, rev.	1	.....
tailed mealy bug.....	37, rev. 2	3	.....
woolly aphis in nursery stock.....	20	6	.....
fumigation of greenhouses and cold frames.....	37, rev. 2	1-11	1-3
nursery stock against San Jose scale.....	42, ed. 5	7	.....
<i>Hylastinus obscurus</i> , circular.....	67	1-5	1-4
remedies.....	67	4-5	.....
<i>Hylesinus granulatus</i> , injury to lowland fir.....	61	9	.....
n. sp., injury to lowland fir.....	61	9	.....
western hemlock.....	61	2, 3, 10	3
Hymenopterous parasites of house-fly larvae.....	35	8	.....
<i>Hyoscyamus</i> , food plant of <i>Leptinotarsa decemlineata</i>	87	8	.....
<i>Hyperacmus tineæ</i> , parasite of <i>Tinea pellionella</i>	36, rev.	4	.....
<i>Hyperaspis binotata</i> , enemy of <i>Pulvinaria innumerabilis</i>	64	3, 5	4
<i>signata</i> , enemy of <i>Pulvinaria innumerabilis</i>	64	3	.....
<i>undulata</i> , enemy of <i>Toxoptera graminum</i>	93, rev.	6	.....
<i>Hyphantria cunea</i> . (See Webworm, fall.)	25	2, 8	3, 9
<i>Hypoderma bovis</i> , adult, puparium.....	25	1-10	1-10
<i>lineata</i> , circular.....	25	8-10	.....
remedies.....	25	8-10	.....
<i>Hypopteromalus tabacum</i> , parasite of <i>Microplitis (Apanteles) catalpae</i>	96	5	.....
I.			
Ichneumon flies, enemies of canker-worms.....	9	2	.....
Idaho, requirements relative to shipment of nursery stock.....	75, rev. 2	3	.....
Illinois, requirements relative to shipment of nursery stock.....	75, rev. 2	3	.....
Impatiens, food plant of <i>Diabrotica 12-punctata</i>	59	3	.....
Index to Circulars 1 to 100 of the Bureau of Entomology.....	100	i-ii, 1-49	.....
Indiana, requirements relative to shipment of nursery stock.....	75, rev. 2	3	.....
Insecticide apparatus (see also Mechanical methods). against boll weevil.....	18 27 33	7 5 5-6	.....
cockroaches.....	51, rev.	13-14	.....
Colorado potato beetle.....	87	12	.....
cotton red spider.....	65	4	.....

	Circular No.	Page.	Figure.
Insecticide apparatus against elm leaf-beetle.	8	4	
grasshoppers.....	84	8-9	8
hop plant-louse.....	2	6-7	
melon aphis.....	80	13-15	5-6
pea aphis.....	43, ed. 2	7-9	5-6
plum curculio.....	73	6-8	4-5
root maggots.....	63, ed. 2	5	2
San Jose scale.....	3	8	
shade-tree insects.....	15	2-3	
tobacco thrips.....	68	4	
yellow-winged locust.....	53	2-3	
for fumigating greenhouse plants.....	37, rev. 2	9-10	
Insecticides, caution necessary in use.....	1	6-7	
condensed information concerning some of those most important, circular.....	1	1-7	
ineffective against boll weevil.....	{ 14 18	{ 5 6	
Insect lime. (See Raupenlein and Dendrolene.)			
Insects defoliating shade trees, control in cities and towns, circular.....	15	1-4	
dried, food of <i>Tineola bisselliella</i>	36	4	
subterranean, insecticides.....	1	5	
Iodine as remedy for "chiggers".....	77	6	
Iowa, requirements relative to shipment of nursery stock.....	75, rev. 2	3	
<i>Isocratus vulgaris</i> , parasite of <i>Macrostiphum pisi</i>	43, ed. 2	5	
<i>Isosoma tritici</i> , circular.....	{ 66, rev. 66, rev.	{ 1-7 5-7	1-6
remedies.....			
Itch mite of fowls. (See <i>Cnemidocoptes mutans</i> .)			
Ivy, ground. (See <i>Nepeta glechoma</i> .)			
poison, food plant of <i>Pulvinaria innumerabilis</i>	64	2	
<i>Ixophorus glaucus</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	6	
(<i>Setaria</i>), possible food plant of <i>Toxoptera graminum</i>	85	4	
J			
<i>Jacaranda ovalifolia</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
Jamestown weed. (See <i>Datura</i> .)			
<i>Janthinosoma posticata</i>	72	3	
<i>sayi</i> , distinctive characters of larva.....	72	3	
<i>varipes</i> , distinctive characters of larva.....	72	3	
Jarring against boll weevil.....	18	7	
Colorado potato beetle.....	87	12	
hazelnut weevil.....	99	15	
plum curculio.....	73	6, 7-9	4-5
rose-chafer.....	11	4	
spring canker-worm.....	9	2	
generally impracticable against chestnut weevils.....	99	9	
"Jelly," meaning of term as applied to beef and hides.....	25	1	
"Jigger," colloquial name for harvest mite.....	77	1	
Jimson weed. (See <i>Datura</i> .)			
JOHNSON, FRED, and GIRAUT, A. A., circular, "The Plum Curculio (<i>Conotrachelus nenuphar</i> Herbst)".....	73	1-10	1-5
Joint-worm. (See <i>Isosoma tritici</i> .)			
Juneberry, food plant of <i>Diabrotica viitata</i>	31, rev. 2	2	
<i>Saperda candida</i>	32, rev. 3	3	
<i>cretata</i>	32, rev. 3	8	
<i>Scolytus rugulosus</i>	29, rev.	2	
K			
Kainit against rose-chafer.....	11	4	
seed-corn maggot.....	63, ed. 2	3	
decoction ineffective against rose-chafer.....	11, rev.	3	
Kakerlach, Dutch name for <i>Blatta orientalis</i>	51, rev.	9	
Kale as trap crop for cabbage aphis.....	80	15-16	
melon aphis.....	80	15	
food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>Murgantia histrionica</i>	10	2	
Kansas, requirements relative to shipment of nursery stock.....	75, rev. 2	3	
Kentucky, requirements relative to shipment of nursery stock.....	75, rev. 2	3-4	
Kerosene against bedbug.....	47, rev.	7	
box-elder plant-bug.....	28	3	
carpet beetle.....	5, rev.	3	
clover mite.....	19, ed. 2	4	
fruit-tree bark-beetle.....	29, rev.	8	
grasshoppers.....	84	8	
harlequin cabbage bug.....	10	2	
house flies.....	{ 35, 71, rev.	{ 6-7 6-7	
little red ant.....	34, rev.	2	
locust borer.....	83	6	
mosquitoes in houses.....	13	2	
mosquito stages in pools.....	13	2-3	
ox warble.....	25	9	
powder-post beetles.....	55	4	

	Circular No.	Page.	Figure.
Kerosene against round-headed apple-tree borer.....	32, rev. 3	7	
slender seed-corn ground-beetle.....	78	5	
San Jose scale.....	42, ed. 5	4-5	
strawberry weevil.....	21, rev.	7	
striped cucumber beetle.....	31, rev. 2	7	
two-lined chestnut borer.....	24, rev.	7	
white ants.....	50, rev.	8	
and carbolic acid against common hen louse.....	92	6	
gypsum against squash bug.....	39, rev. 2	5	
land plaster against squash bug.....	39, rev. 2	5	
naphthaline against common hen louse.....	92	6-7	
plaster ineffective against strawberry weevil.....	21, rev.	7	
sand against corn root-aphis.....	86	12	
seed-corn maggot.....	63, ed. 2	2	
compounds ineffective against rose-chafer.....	11, rev.	3	
emulsion against apple aphides.....	81	9, 10	
box-elder plant-bug.....	28	3	
buffalo tree-hopper.....	23	4	
chicken mite.....	92	3	
clover mite.....	19, ed. 2	4	
cotton red spider.....	65	5	
cottony maple scale.....	64	5-6	
elm leaf-beetle.....	8, rev.	6	
"green bug".....	93, rev.	7, 19	
harlequin cabbage bug.....	10	2	
hop plant-louse.....	2	5-6	
imported cabbage worm.....	60	7	
locust borer.....	83	5	
melon aphis.....	80	13-14	
pea aphis.....	43, ed. 2	7	
pear-tree Psylla.....	7	7	
rose-chafer.....	11, rev.	4	
San Jose scale.....	3	6	
squash bugs.....	80	16	
subterranean insects.....	1	5	
terrapin scale.....	88	4	
tobacco thrips.....	68	3-4, 5	
two-lined chestnut borer.....	24, rev.	7	
woolly aphis.....	20, rev.	4, 5, 6	
and Bordeaux mixture against pear-tree Psylla.....	7	8	
as insecticide.....	1	3	
ineffective against periodical cicada.....	89	4	
only partially successful against strawberry weevil.....	21, rev.	7	
useless against chestnut weevils.....	99	9	
Key to known larvae of the mosquitoes of the United States, circular.....	72	1-6	1
Kilm-drying against chestnut weevils.....	99	11	
L.			
Labels eaten by <i>Lepisma saccharina</i>	49	1, 2	
<i>Labena apicalis</i> , parasite of <i>Chrysobothris femorata</i>	32, rev. 3	11	
<i>grallator</i> , parasite of <i>Chrysobothris femorata</i>	32, rev. 3	11	
Lace-wing flies, enemies of <i>Schizoneura lanigera</i>	20, rev.	6	
fly, golden-eyed. (See <i>Chrysopa oculata</i> .)			
Lady-beetles, enemies of spring grain-aphis (<i>Toxoptera graminum</i>).....	93, rev.	3	
Ladybird, twice-stabbed. (See <i>Chilocorus bivulnerus</i> .)			
two-spotted. (See <i>Adalia bipunctata</i> .)			
<i>Latilis coccidivora</i> , enemy of <i>Pulvinaria innumerabilis</i>	64	4	
Lambsquarters. (See <i>Chenopodium</i> .)			
Land plaster and kerosene against squash bug.....	39, rev. 2	5	
Lantana, food plant of <i>Aleyrodes vaporariorum</i>	57	2	
<i>Lasius niger</i> var. <i>americanus</i> , attendant on <i>Apis maeadi-radicis</i>	86	5-9	
Lavender flowers frequented by butterflies of <i>Pontia rapæ</i>	60	4	
Laws (see also Legislation).			
against house flies.....	71, rev.	9-10	
relative to importation of American plants, trees, and fruits			
into other countries.....	41	1-4	
shipment of nursery stock, circular.....	75, rev. 2	1-9	
Leaf beetle, elm. (See Elm leaf-beetle.)			
rollers of strawberry, arsenicals as remedy.....	21, rev.	8	
Leather, gnawed by cockroaches.....	51, rev.	4	
<i>Lebia atriventris</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	10	
<i>grandis</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	10	5
Legislation (see also Laws).			
against boll weevil.....	14	7-8	8
Lemon oil and wood alcohol against corn root-aphis.....	86	13	
<i>Lepidoplatus squamiger</i>	72	6	
<i>Lepisma domestica</i> , frequenter of ovens and fireplaces.....	49	1, 2, 3	2
<i>saccharina</i> , circular.....	49	1-4	1-2
remedies.....	49	3-4	
<i>Leptinotarsa decemlineata</i> , circular.....	87	1-15	1-6
remedies.....	87	12-15	
<i>intermedia</i>	87	3	

	Circular No.	Page.	Figure.
<i>Leptocoris trivittatus</i> , circular.....	28	1-3	1
remedies.....	28	3	
<i>Leptotrichelus dorsalis</i> , enemy of <i>Isosoma tritici</i>	66, rev.	4	
<i>Leptus americanus</i>	77	2, 4	2
=Trombidium.....	77	2	
<i>irritans</i> , general account.....	77	2	1
Lettuce, food plant of <i>Aleyrodes vaporariorum</i>	57	2	
<i>Leucania unipuncta</i> , circular.....	4	1-5	1-3
remedies.....	4	3-4	
<i>Leucopis nigricornis</i> , enemy of <i>Aphis gossypii</i>	80	6	
<i>Pulvinaria innumerabilis</i>	64	4	
Lice and mites on poultry, circular.....	92	1-8	1-6
poultry, a sure preventive.....	92	7-8	
"Licked beef," meaning of term.....	25	1	
Lime against "green bug".....	93, rev.	19	
peach-tree borer.....	54	4	
pear slug.....	26	6	
slender seed-corn ground-beetle.....	78	5	
striped cucumber beetle.....	31, rev. 2	7	
woolly aphis.....	20, rev.	4	
ineffective against strawberry weevil.....	21, rev.	7	
air-slaked, against striped cucumber beetle.....	31, rev. 2	7	
impracticable against house flies.....	35	6	
and arsenical against peach-tree borer.....	71, rev.	5-6	
carbolic acid against common hen louse.....	17	4	
glue against peach-tree borer.....	92	6	
Paris green against two-lined chestnut borer.....	17	3	
sulphate of copper ineffective against strawberry weevil.....	24, rev.	7	
sulphur against chicken mite.....	21, rev.	7	
common hen louse.....	92	3	
carbolic acid, soap, Paris green, and clay against peach-tree borer.....	17	6	
borer.....	54	4	
caterpillar. (See Raupenleim and Dendrolene.)			
compounds ineffective against rose-chafers.....	11, rev.	3	
milk, with arsenicals against apple-tree tent caterpillar.....	98	8	
slaked, against spring grain-aphis.....	85	7	
sulphur, and salt wash (see also Lime-sulphur wash).....			
against San Jose scale.....	3	7	
West Indian peach scale.....	52, ed. 2	1	
circular.....	52, ed. 2	2	
sulphur against cotton red spider.....	52, ed. 2	1-8	
wash (see also Lime, sulphur, and salt wash).....	65	4-5	
against apple aphides.....	81	10	
San Jose scale.....	42, ed. 5	2-4	
worthless against terrapin scale.....	88	3	
wash against periodical cicada.....	89	4	
<i>Limnerium fugitivum</i> , parasite of <i>Malacosoma americana</i>	98	5	
Linden, food plant of <i>Chrysobothris femorata</i>	32, rev. 3	9	
<i>Pulvinaria innumerabilis</i>	64	2	
Linen, starched, eaten by <i>Leptima saccharina</i>	49	2	
<i>Liobunum dorsatum</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>Lipeurus variabilis</i> on chicken.....	92	7	4
Lixus, resistant to cyanid fumes.....	46, rev.	2	
Locust, black, food plant of <i>Bryobia pratensis</i>	19, ed. 2	2	
host tree of <i>Cylleone robiniae</i>	83	1	
borer. (See <i>Cylleone robiniae</i> .)			
breeding and propagating trees resistant to locust borer.....	83	7-8	
colloquial name for periodical cicada.....	30	1	
differential. (See <i>Melanoplus differentialis</i> .)			
food plant of <i>Pulvinaria innumerabilis</i>	64	2	
pellucid. (See <i>Camnula pellucida</i> .)			
Rocky Mountain. (See <i>Melanoplus spretus</i> .)			
seventeen-year, colloquial name for periodical cicada.....	30	1	
two-striped. (See <i>Melanoplus bivittatus</i> .)			
yellow-winged. (See <i>Camnula pellucida</i> .)			
<i>Lolium perenne</i> , food plant of <i>Toxoptera graminum</i>	85	4	
London purple against army worm.....	4	3	
boll weevil.....	6	5	
elm leaf-beetle.....	33	2, 3	
strawberry weevil.....	8, rev.	5	
and soap against peach-tree borer.....	21, rev.	6	
as insecticide.....	17	4	
Louisiana, requirements relative to shipment of nursery stock.....	75, rev. 2	5-7	
Louse, destructive green pea. (See <i>Macrosiphum pisi</i> .)			
duck, not same as hen louse.....	92	5	
goose, not same as hen louse.....	92	5	
hen. (See <i>Menopon pallidum</i> .)			
pigeon, not same as hen louse.....	92	5	
Lucifuga, name applied to cockroaches by ancients.....	51, rev.	1	

	Circular No.	Page.	Figure.
<i>Lucilia cæsar</i> in houses, habits.....	{ 35 71, rev.	2, 4, 5 2-3	4-5 5
<i>Lyctus planicollis</i>	55	2	1
<i>Lydella doryphoræ</i> . (See <i>Phorocera doryphoræ</i> .)			
Lye-sulphur against cotton red spider.....	65	5	
Lye water against apple aphides.....	81	9	
<i>Lysiphlebus citraphis</i> , parasite of <i>Aphis gossypii</i>	80	6	
<i>cucurbitaphis</i> , parasite of <i>Aphis gossypii</i>	80	6	
<i>gossypii</i> , parasite of <i>Aphis gossypii</i>	80	6	
<i>minutus</i> , parasite of <i>Aphis gossypii</i>	80	6	
<i>tritici</i> , hosts.....	93, rev.	17	
introduction experiments against <i>Toxoptera graminum</i>	93, rev.	7-14	
<i>minum</i>	85	5	
parasite of <i>Toxoptera graminum</i>	{ 93, rev.	3-5, 15-18	5-10
M.			
Machines. (See Insecticide apparatus.)			
<i>Macrodactylus subspinosis</i> , circular remedies.....	11, rev.	1-4	1
<i>Macrosiphum pisi</i> , circular remedies.....	11, rev.	3-4	
<i>rudbeckiae</i>	43, ed. 2	1-10	1-7
<i>rudbeckiae</i>	43, ed. 2	6-10	4-7
Maggot, cabbage (<i>Pegomya brassicæ</i>) (see also Maggot, radish). bisulphid of carbon as insecticide.....	93, rev.	17	
general account.....	1	5	
remedies.....	63, ed. 2	3-6	
<i>imported onion</i> (<i>Pegomya capetorum</i>), bisulphid of carbon as insecticide.....	63, ed. 2	4-6	2-5
general account.....	1	5	
remedies.....	63, ed. 2	6-7	
<i>radish</i> (<i>Pegomya brassicæ</i>) (see also Maggot, cabbage). bisulphid of carbon as insecticide.....	63, ed. 2	7	
<i>seed-corn</i> . (See <i>Pegomya fusiceps</i> .)	1	5	
Magnolias, food-plants of <i>Macrodactylus subspinosis</i>	11, rev.	4	
“Mahogany flat,” colloquial name for <i>Cimex lectularius</i>	47, rev.	2	
Maine, requirements relative to shipment of nursery stock.....	75, rev. 2	4	
<i>Malacosoma americana</i> , circular remedies.....	98	1-8	1-4
<i>fragilis</i> , tent caterpillar of the Rocky Mountain region.....	98	6-8	
<i>pluvialis</i> , tent caterpillar of the Pacific Northwest.....	98	2	
<i>spp.</i> , hosts of <i>Pimpia inquisitor</i>	97	2	
Malaria, carriage by mosquitoes.....	40	1	
Mallow, food plant of <i>Aphis gossypii</i>	80	5	
Mallows, food plants of <i>Thyridopteryx ephemeraeformis</i>	97	4	
Man, eyelashes and bits of toenails eaten off by cockroaches.....	51, rev.	6	
host of <i>Dermannus gallinæ</i>	92	2	
harvest mites, or “chiggers”.....	77	1-3	
<i>Sarcopsylla penetrans</i>	77	1	
reported as host of <i>Leptocoris trivittatus</i>	28	3	
seldom bitten by <i>Scutigera forceps</i>	48	3	
Mantis, Carolina. (See <i>Stagmomantis carolina</i> .)			
Manure (see also Fertilizers and Excrement.)			
against corn root-aphis.....	86	11-12	
“green bug”.....	93, rev.	6	
breeding place of <i>Musca domestica</i>	35	5	
hen, ineffective against strawberry weevil.....	{ 71, rev.	3	
treatment to destroy house flies.....	21, rev.	7	
<i>Maple</i> , food plant of <i>Chrysobothris femorata</i>	{ 35 32, rev. 3	5-8	
<i>Malacosoma americana</i>	98	9	
<i>Pulvinaria acericola</i>	64	2	
<i>innumerabilis</i>	64	2	
<i>Thyridopteryx ephemeraeformis</i>	97	4	
injury by <i>Ceresa bubalus</i>	23	2	
leaf pulvinaria. (See <i>Pulvinaria acericola</i> .)			
scale, cottony. (See <i>Pulvinaria innumerabilis</i> .)			
soft. (See <i>Acer saccharinum</i> .)			
three species, food plants of <i>Eulcanium nigrofasciatum</i>	88	2	
Marantas, fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
<i>Margaropus annulatus</i> . (See <i>Boophilus annulatus</i> .)			
MARLATT, C. L., circular, “A New Nomenclature for the Broods of the Periodical Cicada”.....	45	1-8	
“Cockroaches”.....	{ 51, rev.	1-14	1-5
“House Ants (<i>Monomorium pharaonis</i> et al.)”.....	34, rev.	1-4	1-3
“How to Control the San Jose Scale”.....	42, ed. 5	1-7	
“Report on the Gypsy Moth and the Brown-Tail Moth, July, 1904”.....	58	1-12	1-2
“The Bedbug (<i>Cimex lectularius</i> L.)”.....	47, rev.	1-8	1-3
“The Buffalo Tree-hopper (<i>Ceresa bubalus</i> Fab.)”.....	23	1-4	[1-2]

	Circular No.	Page.	Figure.
MARLATT, C. L. , circular, "The Clover Mite (<i>Bryobia pratensis</i> Garman)".....	19, ed. 2	1-4	1
" The Hessian Fly (<i>Cecidomyia destructor</i> Say)".....	12, rev.	1-4	.....
" The House Centipede (<i>Scutigera forceps</i> Raf.)".....	48	1-4	1-2
" The Imported Elm Leaf-beetle (<i>Galerucella luteola</i> Müll.)".....	8, rev.	1-6	1
" The Lime, Sulphur, and Salt Wash".....	52, ed. 2	1-8	.....
" The Ox Warble (<i>Hypoderma lineata</i> Villers)".....	25	1-10	1-10
" The Peach-tree Borer (<i>Sannina exitiosa</i> Say)".....	17	1-4	1
" The Pear Slug (<i>Eriocampoides limacina</i> Retzius)".....	54	1-6	1
" The Pear-tree Psylla (<i>Psylla pyricola</i> Foerst.)".....	26	1-7	1-4
" The Periodical Cicada in 1906 (<i>Tibicen septendecim</i> L.)".....	7	1-8	1-6
" 1907 (<i>Tibicen septendecim</i> L. race <i>tredecim</i> <i>Walshe</i> Riley)".....	74	1-5	1-3
" The Silver Fish (<i>Lepisma saccharina</i> Linn.)".....	89	1-4	1-3
" The True Clothes Moths (<i>Tinca pellionella</i> et al.)".....	49	1-4	1-2
" The White Ant (<i>Termites flavipes</i> Koll.)".....	36, rev.	1-8	1-3
" The Woolly Aphis of the Apple (<i>Schizoneura lanigera</i> Hausmann)".....	50, rev.	1-8	1-4
Maryland , requirements relative to shipment of nursery stock.....	20, rev.	1-6	1-2
Massachusetts , requirements relative to shipment of nursery stock.....	75, rev. 2	4	.....
Mayetiola destructor (see also <i>Cecidomyia destructor</i>). circular.....	75, rev. 2	4	.....
remedies.....	70	1-16	1-16
Meadowlarks , enemies of grasshoppers.....	70	13-16	.....
Mealy bug . (See <i>Dactylopius adonidum</i> .) "white-tailed." (See <i>Orthetrum insignis</i> .)	84	4	.....
"Meat fly," colloquial name for <i>Calliphora erythrocephala</i>	35	2	.....
Mechanical methods (see also Insecticide apparatus).	71, rev.	2	.....
against army worm.....	4	3, 4	.....
ox warble.....	25	9	.....
peach-tree borer.....	17	3, 4	.....
rose-chafers.....	54	3, 5	.....
round-headed apple-tree borer.....	11, rev.	4	.....
two-lined chestnut borer.....	32, rev. 3	6	.....
24, rev.	5-6	5-6	.....
Medicago sativa . (See Alfalfa.)			
Megarhinus , distinctive characters of genus, adults.....	40	4	.....
<i>haemorrhoidalis</i> , distinctive characters of adult.....	40	7	.....
<i>portoricensis</i> , distinctive characters of adult.....	40	7	.....
larva.....	72	1	.....
<i>rutila</i> , distinctive characters of adult.....	40	7	.....
table of North American species, adults.....	40	7	.....
Megilla maculata , enemy of <i>Aphis gossypii</i>	80	6-7	3, d, e.
<i>Leptinotarsa decemlineata</i>	87	10	.....
<i>Macrostiphum pisi</i>	43, ed. 2	5	2
<i>Toxoptera graminum</i>	85	5	.....
Melanoconion atratus	72	3	.....
<i>melanurus</i> , distinctive characters of larva.....	72	3	.....
Melanoplus bivittatus , enemy of alfalfa.....	84	1-6	2
<i>differentialis</i> , enemy of alfalfa.....	84	1-6	1
host of <i>Mermis albicans</i>	62, rev.	3	.....
<i>spretus</i>	84	3.4	3.4
host of <i>Mermis albicans</i>	62, rev.	3	.....
Melittia ceto . (See <i>Melittia satyriniformis</i> .)			
<i>cucurbitæ</i> . (See <i>Melittia satyriniformis</i> .)			
<i>satyriniformis</i> , circular.....	38, rev. 2	1-6	1-2
remedies.....	38, rev. 2	5-6	.....
Melon aphis . (See <i>Aphis gossypii</i> .)			
bug, colloquial name for <i>Diabrotica vittata</i>	31, rev. 2	1	.....
louse, colloquial name for <i>Aphis gossypii</i>	80	1	.....
Melons (see also <i>Cantaloupe</i> , <i>Cucurbits</i> , <i>Musk-melon</i> , and <i>Water-melon</i>).			
food plants of <i>Aleyrodes vaporariorum</i>	57	2	.....
<i>Aphis gossypii</i>	80	4	.....
<i>Diabrotica 12-punctata</i>	59	3	.....
<i>vittata</i>	31, rev. 2	1	.....
Menopon biseriatum on chickens.....	92	7	.....

	Circular No.	Page.	Figure.
<i>Menopon pallidum</i> , general account.	92	4-7	3
remedies	92	6-7	
Mercurial ointment against ox warble.	25	9	
<i>Merisus destructor</i> , parasite of <i>Mayetiola destructor</i> .	70	12-13	14
<i>Mermis acuminata</i> , probable adult of <i>Mermis albicans</i> .	62, rev.	2	
<i>albicans</i> , circular.	62, rev.	1-6	1
spp., mistaken for <i>Mermis albicans</i> .	62, rev.	5	
<i>Mesochorus apertinus</i> , parasite of <i>Apanthes congregatus</i> .	96	5	
Mice, hydrocyanic-acid gas as remedy.	46, rev.	2	
Michigan, requirements relative to shipment of nursery stock.	75, rev. 2	4	
<i>Micrococcus piciidis</i> , bacterial disease of <i>Ponitia rapæ</i> .	60	6	
<i>Microtus posticus</i> , enemy of <i>Aphis gossypii</i> .	80	6	
<i>Microplitis catalpæ</i> , parasite of <i>Ceratomia catalpæ</i> .	96	5	
Mignonette, food plant of <i>Ponitia rapæ</i> .	60	4	
Migrations of <i>Ponitia rapæ</i> .	60	4	
Migratory instinct among cockroaches.	51, rev.	6	
in <i>Cimex lectularius</i> .	47, rev.	1	
Milfoil. (See <i>Achillea millefolium</i> .)			
Milkweed. (See <i>Asclepias</i> .)			
Millet. (See <i>Panicum miliaceum</i> and <i>Bromus unioloides</i> .)			
<i>Miltas cinctus</i> , enemy of <i>Leptinotarsa decemlineata</i> .	87	11	
Mimicry in <i>Sannina exitiosa</i> .	17	1	
Mimicry in <i>Sannina exitiosa</i> .	54	1	
Minnesota, requirements relative to shipment of nursery stock.	75, rev. 2	4	
Mint, horse. (See <i>Monarda fistulosa</i> .)			
Miscible oils against San Jose scale.	42, ed. 5	6	
Mississippi, requirements relative to shipment of nursery stock.	75, rev. 2	5	
Missouri, requirements relative to shipment of nursery stock.	75, rev. 2	5	
Mite, chicken. (See <i>Dermanyssus gallinæ</i> .)			
clover. (See <i>Bryobia pratensis</i> .)			
depluming. (See <i>Cnemidocoptes gallinæ</i> .)			
enemy of house fly.	35	8	
grasshopper. (See <i>Trombiculidium locustarum</i> .)	71, rev.	9	
six-spotted, on oranges.	19, ed. 2	1	
Mites and lice on poultry, circular.	92	1-8	1-6
enemies of canker-worms.	9	2	
on poultry, a sure preventive.	92	7-8	
<i>Mochlostyrax erraticus</i> , distinctive characters of larva.	72	3	
Molasses and arsenical against boll weevil.	33	4	
<i>Monarda fistulosa</i> , food plant of <i>Anthonomus signatus</i> .	21, rev.	4	
<i>Monarthrum mali</i> , injury to oak.	82	2	
<i>Monomorium minutum</i> , general account.	34, rev.	2, 3	2
remedies.	34, rev.	3	
<i>pharaonis</i> , enemy of <i>Cimex lectularius</i> .	47, rev.	7	
general account.	34, rev.	1, 2	1
remedies.	34, rev.	2	
Montana, requirements relative to shipment of nursery stock.	75, rev.	5	
Morning-glory, food plant of <i>Aphis gossypii</i> .	80	5	
MORRILL, A. W., circular, "The Greenhouse White Fly (<i>Aleyrodes vaporariorum</i> Westw.)".	57	1-9	1
Mosquito netting. (See Screen, wire.)	40	1	
Mosquitoes as carriers of malaria.	40	1-3	
general account.	13	1-3	
of North America, how to distinguish the different species, circular.	40	1-7	1-3
tables for determination of genera and species, adults.	40	4-7	
United States, key for determination of larvae, circular.	72	1-6	1
remedies.	13	1-3	
Moth, Angoumois grain (<i>Sitotroga cerealella</i>), hydrocyanic-acid gas as remedy.	46, rev.	2	
brown-tail. (See <i>Euproctis chrysorrhœa</i> .)			
"Buffalo." (See <i>Anthonomus scrophulariae</i> .)			
case-making clothes. (See <i>Tineola pellionella</i> .)			
gypsy. (See <i>Porithetria dispar</i> .)			
Mediterranean flour (<i>Ephhestia kuehniella</i>), hydrocyanic-acid gas as remedy.	46, rev.	2	
southern clothes. (See <i>Tineola bisselliella</i> .)			
tapestry. (See <i>Trichophaga tapetzella</i> .)			
tussock. (See Tussock moth, white-marked, and <i>Hemeroecampa leucostigma</i> .)			
webbing clothes. (See <i>Tineola bisselliella</i> .)			
Moths, carpet. (See Moths, clothes.)	36, rev.	1-8	1-3
clothes, circular.	46, rev.	1, 2	
hydrocyanic-acid gas as remedy.	36, rev.	5-8	
remedies.			
fur. (See Moths, clothes.)			
small, prey of <i>Scutiger forceps</i> .	48	2	
Mulberry, food plant of <i>Pulvinaria innumerabilis</i> .	64	2	
<i>Thyridopteryx ephemeraeformis</i> .	97	4	
Mullein, food plant of <i>Leptinotarsa decemlineata</i> .	87	8	
<i>Murgantia histrionica</i> , circular.	10	1-2	[1]

	Circular No.	Page.	Figure.
<i>Murgantia histrionica</i> , remedies.....	10	2	.....
<i>Musca domestica</i> (see also Fly, house).			
and other house flies, remedies.....	35	5	.....
general account.....	71, rev.	5-10	.....
insects mistaken therefor.....	35	1-8	1-3
35	71, rev.	1-3	.....
35	71, rev.	1-6	.....
<i>Muscina stabulans</i> (see also <i>Cyrtoneura stabulans</i>).			
in houses.....	71, rev.	2, 3	3
Museums, infestation by <i>Tineola biselliella</i>	36, rev.	4	.....
Mushroom beds cultivated by tropical white ants.....	50, rev.	4	.....
Muskmelon (see also Cantaloupe, Cucurbits, and Melons).			
food plant of <i>Melitaea satyrina</i>	38, rev. 2	2	.....
Mustard as trap crop for <i>Aphis brassicae</i>	80	15-16	.....
food plant of <i>Diabrotica 12-punctata</i>	59	3	.....
<i>Murgantia histrionica</i>	10	1-2	.....
<i>Pontia rapæ</i>	60	4	.....
trap crop for cabbage aphid.....	80	15-16	.....
melon aphid.....	80	15	.....
Mycetophilid larvæ mistaken for <i>Mermis albicans</i>	62, rev.	5	.....
N.			
Naphtha against clothes moths.....	36, rev.	7	.....
Naphthaline against clothes moths.....	36, rev.	6	.....
itch mite of chickens.....	92	4	.....
powder-post beetles.....	55	5	.....
striped cucumber beetle.....	31, rev. 2	7	.....
and kerosene against common hen louse.....	92	6	.....
preventive of ill effects from exposure to "chiggers".....	77	5	.....
Nasturtium, food plant of <i>Pontia rapæ</i>	60	4	.....
Nebraska, requirements relative to shipment of nursery stock.....	75, rev. 2	5	.....
Nectarine, food plant of <i>Conotrachelus nenuphar</i>	73	4, 5	.....
<i>Scolytus rugulosus</i>	29, rev.	2	.....
<i>Nectarophora curcurbitæ</i> , the squash aphid.....	80	3	.....
destructor= <i>Macrostiphum pisi</i>	43, ed. 2	1	.....
<i>Negundo negundo</i> . (See Box-elder.)			
Nelumbo, food plant of <i>Diabrotica 12-punctata</i>	59	3	.....
<i>Nemorza leucaniae</i> , parasite of <i>Leucania unipuncta</i>	4	5	3
<i>Neocosmospora vasinfecta</i> (see also <i>Bacillus tracheiphilus</i>).			
spread by <i>Diabrotica vittata</i>	31, rev. 2	2	.....
<i>Nepeta glechoma</i> , food plant of <i>Aphis gossypii</i>	80	5	.....
Netherlands, laws relative to importation of American plants, trees, and fruits.....	41	4	.....
Netting. (See Screen.)			
Nevada, requirements relative to shipment of nursery stock.....	75, rev. 2	5	.....
New Hampshire, requirements relative to shipment of nursery stock.....	75, rev. 2	5	.....
Jersey, requirements relative to shipment of nursery stock.....	75, rev. 2	5	.....
Mexico, requirements relative to shipment of nursery stock.....	75, rev. 2	5	.....
York, requirements relative to shipment of nursery stock.....	75, rev. 2	5-6	.....
Zealand, laws relative to importation of American plants, trees, and fruits.....	41	4	.....
Newspaper barriers against fruit-tree bark-beetle.....	29, rev.	7	.....
round-headed apple-tree borer.....	32, rev. 3	6	.....
two-lined chestnut borer.....	24, rev.	6	.....
<i>Nezara hilaris</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	.....
Nighthawk, enemy of <i>Leptinotarsa decemlineata</i>	87	12	.....
Nighthshade, beaked. (See <i>Solanum rostratum</i> .)			
Nitrate of soda against seed-corn maggot.....	63, ed. 2	3	.....
North Carolina, requirements relative to shipment of nursery stock.....	75, rev. 2	6	.....
Dakota, requirements relative to shipment of nursery stock.....	75, rev. 2	6	.....
Nursery stock, fumigation with hydrocyanic-acid gas.....	46, rev.	1	.....
requirements relative to shipment, circular.....	75, rev. 2	1-9	.....
Nut weevils, circular.....	99	1-15	1-14
<i>Nymphaea candidissima</i> , <i>odora</i> , and <i>rosea</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	.....
O.			
Oak, food plant of <i>Chrysobothris femorata</i>	32, rev. 3	9	.....
<i>Malacosoma americana</i>	98	2	.....
<i>Monarthrum mali</i>	82	2	1
<i>Platypus compositus</i>	82	2	.....
<i>Pulvinaria innumerabilis</i>	64	2	.....
<i>Thyridopteryx ephemeraeformis</i>	97	4	.....
scarlet. (See <i>Quercus coccinea</i> .)			
white, food plant of <i>Agrilus bilineatus</i>	24, rev.	4	.....
yellow. (See <i>Quercus velutina</i> .)			
Oats, food plant of <i>Diabrotica 12-punctata</i>	59	3	.....
<i>Euthrips nicotianæ</i>	68	3	.....
<i>Leucania unipuncta</i>	4	1	.....
<i>Siphocoryne avenæ</i>	81	3	.....
<i>Toxoptera graminum</i>	85	4	.....
	93, rev.	2, 5	.....

	Circular No.	Page.	Figure.
<i>Oberea schaumi</i> , injury to <i>Populus monilifera</i>	23	2	
<i>Ochlerotatus abfitchii</i> , distinctive characters of larva.....	72	4	
<i>festinalis</i> , distinctive characters of larva.....	72	6	
<i>atropalpus</i> , distinctive characters of larva.....	72	4	
<i>aurifera</i> , distinctive characters of larva.....	72	4	
<i>auroides</i> , distinctive characters of larva.....	72	5	
<i>bimaculatus</i> , distinctive characters of larva.....	72	4	
<i>canadensis</i> , distinctive characters of larva.....	72	5	
<i>cantator</i> , distinctive characters of larva.....	72	5	
<i>cinerocorealis</i>	72	4	
<i>confirmatus</i>	72	5	
<i>damnosus</i> , distinctive characters of larva.....	72	5	
<i>dupreei</i> , distinctive characters of larva.....	72	4	
<i>fitchii</i> , distinctive characters of larva.....	72	5	
<i>impiger</i> , distinctive characters of larva.....	72	4	
<i>inconspicuus</i> , distinctive characters of larva.....	72	5	
<i>lativittatus</i>	72	6	
<i>lazarenensis</i> , distinctive characters of larva.....	72	6	
<i>mitchellae</i> , distinctive characters of larva.....	72	5	
<i>nivitaris</i> , distinctive characters of larva.....	72	5	
<i>pretans</i> , distinctive characters of larva.....	72	6	
<i>pullatus</i> , distinctive characters of larva.....	72	5	
<i>punctor</i> , distinctive characters of larva.....	72	4	
<i>serratus</i>	72	4	
<i>sollicitans</i> , distinctive character of larva.....	72	5	
<i>subcavans</i> , distinctive characters of larva.....	72	6	
<i>sylvestris</i> , distinctive characters of larva.....	72	4	
<i>tzniiorhynchus</i>	72	5	
<i>trichurus</i> , distinctive characters of larva.....	72	4	
<i>triseriatus</i> , distinctive characters of larva.....	72	5	
<i>trivittatus</i> , distinctive characters of larva.....	72	5	
<i>varipalpus</i> , distinctive characters of larva.....	72	5	
<i>Ocneria dispar</i> . (See <i>Porthetria dispar</i> .)			
Ohio, requirements relative to shipment of nursery stock.....	75, rev. 2	6	
Oil (see also Kerosene and Petroleum).			
residuum, against house fly.....	71, rev.	8	
washes and emulsions against San Jose scale.....	42, ed. 5	4-7	
Oil-water treatment against San Jose scale.....	42, ed. 5	5-6	
Oils against bedbug.....	47, rev.	7	
ox warble.....	25	8-10	
and carbolic acid against ox warble.....	25	8	
sulphur against ox warble.....	25	8	
Oklahoma, requirements relative to shipment of nursery stock.....	75, rev. 2	6	
Okra, food plant of <i>Aphis gossypii</i>	80	4	
<i>Diabrotica 12-punctata</i>	59	3	
Olive, food plant of <i>Eulecanium nigrofasciatum</i>	88	2	
Onion, food plant of <i>Pegomya cepetorum</i>	63, ed. 2	6-7	
<i>fusciceps</i>	63, ed. 2	2	
maggot. (See Maggot, imported onion.)			
imported. (See Maggot, imported onion.)			
thrips. (See <i>Thrips tabaci</i> .)			
Ononis natrix, food plant of <i>Hylastinus obscurus</i>	67	3	
<i>Ooencyrtus anase</i> , parasite of <i>Anasa tristis</i>	39, rev. 2	4	
Orange and other citrus fruits, food plants of <i>Aphis gossypii</i>	80	4	
aphis. (See <i>Aphis gossypii</i> .)			
white fly. (See <i>Aleyrodes citri</i> .)			
Orchard grass. (See <i>Dactylis glomerata</i> .)			
scolytus. (See <i>Scolytus rugulosus</i> .)			
22	1		
30	1		
44	1-2		
74	5		
89	4		
Oregon, requirements relative to shipment of nursery stock.....	75, rev. 2	6	
Oriole, Baltimore, enemy of <i>Ceratomia catalpae</i>	96	6	
<i>Malacosoma americana</i>	98	6	
Ornamental plants, food of <i>Macrodactylus subspinosus</i>	11, rev.	2	
<i>Orthezia insignis</i> on coleus.....	37, rev. 2	3	
Osage-orange, food plant of <i>Pulvinaria innumerabilis</i>	64	2	
<i>Pulvinaria</i> . (See <i>Pulvinaria mactura</i> .)			
<i>Otiorhynchus ovatus</i> , mistaken for <i>Anthonomus signatus</i> as strawberry pest in Rocky Mountain region.....	21, rev.	3	
Ovens, infestation by <i>Lepisma domestica</i>	49	3	
Ox warble. (See <i>Hypoderma lineata</i> .)	25	1	
"wormal," colloquial name for <i>Hypoderma lineata</i>			
P.			
<i>Pachyneuron</i> sp., parasite of <i>Aphis gossypii</i>	80	6	
<i>Paleacrita vernata</i> , general account.....	9	1-3	1-2
remedies.....	9	2-3	
Pan American Platypus. (See <i>Platypus compositus</i> .)			
<i>Panax victorius</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
<i>Pandanus veitchii</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	

	Circular No.	Page.	Figure.
<i>Panicum miliaceum</i> , food plant of <i>Diabrotica 12-punctata</i>	59	4	
possible food plant of <i>Toxoptera graminum</i>	85	4	
Paper, wall, injury by <i>Lepisma saccharinum</i>	49	2	
wrappings against peach-tree borer.....	17	3	
	54	3	
Papers, destruction by <i>Termes flavipes</i>	50, rev.	4, 5	
eaten by <i>Lepisma saccharinum</i>	49	1, 2	
<i>Paragordius varius</i> mistaken for <i>Mermis albicans</i>	62, rev.	5	
Parasites and enemies of brown-tail moth, importation from abroad.....	58	12	
gypsy moth, importation from abroad.....	58	9-10	
encouragement against bagworm.....	97	9	
pine weevil.....	90	7, 8	6
introduction against "green bug".....	93, rev.	7-14	
protection in work against catalpa sphinx.....	96	6-7	
<i>Parharmonia picceæ</i> , work in Sitka spruce.....	61	9	
Paris green against apple-tree tent caterpillar.....	98	8	
army worm.....	4	3	
bagworm.....	97	9-10	
boll weevil.....	6	5	
catalpa sphinx.....	33	2, 3	
Colorado potato beetle.....	96	6	
corn root-worm, southern.....	87	13-14	
elm leaf-beetle.....	59	5	
fall canker-worm.....	8, rev.	5	
imported cabbage worm.....	9	3	
pear slug.....	60	6	
plum curculio.....	26	6	
slender seed-corn ground-beetle.....	73	9	
spring canker-worm.....	78	5	
strawberry weevil.....	9	2	
striped cucumber beetle.....	21, rev.	8	
and Bordeaux mixture against strawberry weevil.....	31, rev. 2	6	
bran mash against imported cabbage worm.....	21, rev.	8, 9	
corn meal against tobacco budworm.....	60	7	
lime against two-lined chestnut borer.....	68	3-4	
plaster ineffective against strawberry weevil.....	24, rev.	7	
salt and horse droppings against grasshoppers.....	21, rev.	7	
yellow - winged locust.....	84	9	
soap against peach-tree borer.....	53	3	
as insecticide.....	17	4	
carbolic acid, soap, lime, and clay against peach-tree borer.....	1	5-7	
originally used as insecticide to destroy Colorado potato beetle.....	17	4	
useless against chestnut weevils.....	54	4	
Parthenogenesis in <i>Lysiphlebus tritici</i>	93, rev.	16	
<i>Pasimachus elongatus</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	10	
Paste eaten by cockroaches.....	51, rev.	4	
<i>Lepisma saccharinum</i>	49	2	
Pasturing against clover root-borer.....	67	5	
Pea aphid. (See <i>Macrosiphum pisi</i> .)			
food plant of <i>Diabrotica vittata</i>	31, rev. 2	2	
<i>Hylastinus obscurus</i>	67	3	
<i>Macroductylus subspinosus</i>	11, rev.	2	
<i>Macrosiphum pisi</i>	43, ed. 2	1-4	
<i>Pegomya fusciceps</i>	63, ed. 2	2	
louse, destructive green. (See <i>Macrosiphum pisi</i> .)			
sweet, food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>Macrosiphum pisi</i>	43, ed. 2	4	
Peach, food plant of <i>Bryobia pratensis</i>	43, ed. 2	2	
<i>Chrysobothris femorata</i>	19, ed. 2	2	
<i>Conotrachelus nenuphar</i>	32, rev. 3	9	
<i>Diabrotica 12-punctata</i>	73	4, 5	
<i>Diaspis pentagona</i>	59	3	
<i>Eulecanium nigrofasciatum</i>	52, ed. 2	4	
<i>Leptocoris trivittatus</i>	88	2	
<i>Macroductylus subspinosus</i>	28	1	
<i>Malacosoma americana</i>	11, rev.	2	
<i>Pulvinaria innumerabilis</i>	98	2	
San Jose scale.....	64	2	
<i>Scolytus rugulosus</i>	3	1	
rosette, quarantine regulations of foreign governments against introduction from the United States.....	29, rev.	2	
soft scale of Europe. (See <i>Eulecanium persicæ</i> .)	41	2	
tree borer. (See <i>Sannina exitiosa</i> .)			
yellows, quarantine regulations of foreign governments against introduction from the United States.....	41	2	
Pear, Bartlett, seriously injured by <i>Psylla pyricola</i>	7	2	
Buffon, not seriously injured by <i>Psylla pyricola</i>	7	2	
Duchess, seriously injured by <i>Psylla pyricola</i>	7	2	
Dwarf Lawrence, seriously injured by <i>Psylla pyricola</i>	7	2	
food plant of <i>Aphis gossypii</i>	80	5	

	Circular No.	Page.	Figure.
Pear, food plant of <i>Aphis mali</i>	81	5	
<i>malifoliae</i>	81	7	
<i>Bryobia pratensis</i>	19, ed. 2	2	
<i>Chrysobothris femorata</i>	32, rev. 3	9	
<i>Conotrachelus nenuphar</i>	73	5	
<i>Diabrotica 12-punctata</i>	59	3	
<i>Eriocampoides limacina</i>	26	1-7	
<i>Eulecanium nigrofasciatum</i>	88	2	
<i>Euproctis chrysorrhoea</i>	58	11	
<i>Macroactylus subspinosus</i>	11, rev.	2	
<i>Malacosoma americana</i>	98	2	
<i>Psylla pyricola</i>	7	1-2	
<i>Pulvinaria innumerabilis</i>	64	2	
San Jose scale.....	3	1	
<i>Saperda candida</i>	32, rev. 3	3	
<i>Scolytus rugulosus</i>	29, rev.	2	
<i>Siphocoryne avena</i>	81	3	
Kieffer, not seriously injured by <i>Psylla pyricola</i>	7	2	
LeConte, not seriously injured by <i>Psylla pyricola</i>	7	2	
slug. (See <i>Eriocampoides limacina</i> .)			
Standard Lawrence, not seriously injured by <i>Psylla pyricola</i>	7	2	
tree Psylla. (See <i>Psylla pyricola</i> .)			
Pecan, food plant of <i>Balaninus caryæ</i>	99	12, 14	
weevil. (See <i>Balaninus caryæ</i> .)			
<i>Pediculoides ventricosus</i> , enemy of <i>Isosoma tritici</i>	66, rev.	4	
<i>Pegomya brassice</i> . (See Maggot, cabbage, and Maggot, radish.)			
<i>cepotorum</i> . (See Maggot, imported onion.)			
<i>fusiceps</i> , general account.....	63, ed. 2	1-3	1
remedies.....	63, ed. 2	2-3	
Pennsylvania, requirements relative to shipment of nursery stock.....	75, rev. 2	6-7	
<i>Pentilia</i> sp., enemy of <i>Tetranychus gloveri</i>	65	3	
Pepper, food plant of <i>Leptinotarsa decemlineata</i>	87	8	
grass, food plant of <i>Aphis gossypii</i>	80	5	
Peppermint as remedy for "chiggers".....	77	6	
<i>Perillus circumcinctus</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>claudus</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>Malacosoma americana</i>	98	6	
Periodical cicada. (See Cicada, periodical.)			
<i>Periplaneta americana</i> , general account.....	51, rev.	1, 3, 7, 8	1-2
remedies.....	51, rev.	11-14	
<i>australasiae</i> , general account.....	51, rev.	3, 8, 9	3
remedies.....	51, rev.	11-14	
germanica. (See <i>Blattella germanica</i> .)			
orientalis. (See <i>Blatta orientalis</i> .)			
Persimmon, food plant of <i>Conotrachelus nenuphar</i>	73	4	
Petroleum against locust borer.....			
white ants.....	83	6	
yellow-winged locust.....	50, rev.	8	
crude, against San Jose scale.....	53	2	
emulsion, crude, against apple aphides.....	42, ed. 5	5	
soap emulsion, against San Jose scale.....	81	9, 10	
Petunia, food plant of <i>Leptinotarsa decemlineata</i>	42, ed. 5	6	
<i>Phalanx dorsatum</i> . (See <i>Liobunum dorsatum</i> .)	87	8	
PHILLIPS, E. F., circular, "The Brood Diseases of Bees".....	79	1-5	
<i>Philonthus apicalis</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
Phobia. (See <i>Pegomya</i> .)			
<i>ceparum</i> = <i>Pegomya cepetorum</i>	63, ed. 2	6	
<i>Phormia terraenovæ</i> in houses.....	71, rev.	2-3	4
<i>Phorocera doryphore</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>Phorodon humuli</i> , circular.....	2	1-7	1-6
remedies.....	2	4-7	
Phosphorus paste against cockroaches.....	51, rev.	12	
<i>Phrynum variegatum</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
<i>Phyllobius distlocatus</i> , enemy of <i>Scolytus rugulosus</i>	29, rev.	6	
<i>Phyllodromia germanica</i> . (See <i>Blattella germanica</i> .)			
<i>Phyllosticta catalpæ</i> , a leaf-spot disease of catalpa.....	96	6	
Phylloxera of grape (<i>Phyllopora vastatrix</i>), insecticides.....	1	5	
<i>Phymata wolfii</i> , enemy of <i>Pontia rapæ</i>	60	6	6
Physalis, food plant of <i>Leptinotarsa decemlineata</i>	87	8	
<i>Phytolacca decandra</i> , food plant of <i>Tetranychus gloveri</i>	65	3	
food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>Phytonomus punctatus</i> , fungus enemy.....	69	2	
the clover-leaf weevil, work in relation to that of clover-flower midge (<i>Dasyneura legumi-nicola</i>).....	69	1-2	1
<i>Picea sitchensis</i> . (See Spruce, Sitka.)			
“Pickle brood.” (See Brood, pickle.)			
“Picudo,” Mexican name for <i>Anthonomus grandis</i>	6	2	
“Picudo.”	14	5	
“Picudo.”	18	5	
<i>Pieris rapæ</i> . (See <i>Pontia rapæ</i> .)			
Pigeon grass. (See <i>Ixophorus glaucus</i> .)			
mite, not same as poultry mite.....	92	2	
Pigweed. (See <i>Amaranthus</i> .)			

	Circular No.	Page.	Figure.
<i>Pimpla annulipes</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>conquisitor</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>Thyridopteryx ephemeraeformis</i>	97	6	
<i>inquisitor</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>Thyridopteryx ephemeraeformis</i>	97	6-7	6
<i>tussock moth</i> and <i>Malacosoma spp.</i>	97	6	
<i>pedalis</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>Pin</i> borer, girdled-cypress. (See <i>Platypus compositus</i> .)			
borers, injury to girdled cypress.....	82	1-3	
worms, injury to girdled cypress.....	82	1-3	
<i>Pine</i> , destruction by <i>Dendroctonus frontalis</i>	24, rev.	1	
jack, host tree of <i>Pissodes strobi</i>	90	3	
lodgepole. (See <i>Pinus murrayana</i> .)			
pitch, host tree of <i>Pissodes strobi</i>	90	3	
weevil, white. (See <i>Pissodes strobi</i> .)			
white, host tree of <i>Pissodes strobi</i>	90	1-7	2-5
yellow. (See <i>Pinus ponderosa</i> .)			
<i>Pinhole</i> injury to girdled cypress, circular.....	82	1-4	1
<i>Pinus ponderosa</i> , host tree of <i>Dendroctonus sp.</i>	61	9	
yellow-pine bark maggot.....	61	9	
<i>murrayana</i> , host tree of bark maggot.....	61	9	
<i>Dendroctonus sp.</i>	61	9	
<i>Pipiza radicum</i> , enemy of <i>Schizoneura lanigera</i>	20, rev.	6	
<i>Pissodes strobi</i> , circular.....	90	1-8	1-6
remedies.....	90	7-8	
Pitch-worm, spruce. (See <i>Parharmonia picea</i> .)			
Plantain, food plant of <i>Aphis gossypii</i>	80	5	
Plant bug, box-elder. (See <i>Lepidocoris trivittatus</i> .)			
foliage seldom if ever eaten by cockroaches.....	51, rev.	2-3	
lice (see also <i>Aphides</i>). hydrocyanic-acid gas as remedy.....			
louse, apple-root. (See <i>Apple root-louse</i> and <i>Schizoneura lanigera</i> .)	46, rev.	1	
products, food of cockroaches.....	51, rev.	3	
Plaster, land, against striped cucumber beetle.....	31, rev. 2	6	
and turpentine against squash bug.....	39, rev. 2	5	
impracticable against house flies.....	{ 35	6	
of Paris against carpet beetle.....	71, rev.	6	
cockroaches.....	5, rev.	3	
and sulphur against cotton red spider.....	51, rev.	14	
<i>Platygaster herrickii</i> , parasite of <i>Mayetiola destructor</i>	70	12-13	15
sp., parasite of <i>Malacosoma americana</i>	98	5	
<i>Platygerrhus (?) scolyti</i> , parasite of <i>Scolytus rugulosus</i>	29, rev.	6	
<i>Platypus compositus</i> , injury to girdled cypress.....	82	2-3	1
Plowing. (See Cultural methods.)			
<i>Plowrightia morbos</i> , food of <i>Conotrachelus nenuphar</i>	73	4	
Plum curculio. (See <i>Curculio, plum.</i>)			
food plant of <i>Bryobia pratensis</i>	19, ed. 2	2	
<i>Chrysobothris femorata</i>	32, rev. 3	9	
<i>Conotrachelus nenuphar</i>	73	4-5	
<i>Diaspis pentagona</i>	52	4	
<i>Eriocampoides limacina</i>	26	1,3	
<i>Eulecanium nigrofasciatum</i>	88	2	
<i>Leptocoris trivittatus</i>	28	1	
<i>Macrodactylus subspinosus</i>	11, rev.	2	
<i>Malacosoma americana</i>	98	2	
<i>Phorodon humuli</i>	2	3-4	
<i>Pulvinaria innumerabilis</i>	64	2	
San Jose scale.....	3	1	
<i>Sannina exitiosa</i>	{ 17	1	
<i>Scolytus rugulosus</i>	54	1-2	
<i>Siphocoryne avenae</i>	29, rev.	2	
<i>Plusia brassicæ</i> . (See <i>Autographa brassicæ</i> .)	81	3	
<i>Pneumaculex signifer</i> , distinctive characters of larva.....	72	3	
<i>Poa pratensis</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	5	
<i>Podabrus rugulosus</i> , enemy of <i>Macrosiphum pisi</i>	43, ed. 2	5	
<i>Podisus cynicus</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>maculiventris</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	6
<i>modestus</i> , enemy of <i>Malacosoma americana</i>	98	6	
<i>placidus</i> , enemy of <i>Malacosoma americana</i>	98	6	
<i>sericiventris</i> , enemy of <i>Malacosoma americana</i>	98	6	
<i>spinosus</i> , enemy of <i>Malacosoma americana</i>	98	6	
<i>Pontia rapæ</i>	60	6	
<i>Podisus maculiventris</i>	87	11	
Poison from centipede bites.....	48	3	
ivy, food plant of <i>Pulvinaria innumerabilis</i>	64	2	
Poisoned bait against grasshoppers.....	84	9	
Poisoning from hairs of brown-tail caterpillars.....	58	10	
Pokeberry. (See <i>Phytolacca decandra</i> .)			
Pokeweed. (See <i>Phytolacca</i> .)			
<i>Polistes pallipes</i> and other wasps, enemies of <i>Pontia rapæ</i>	60	6	
enemy of <i>Leptinotarsa decemlineata</i>	87	11	

	Circular No.	Page.	Figure.
<i>Polistes rubiginosus</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>Pollenia rufis</i> in houses, habits.....	35	2	
<i>Polygnotus hemalis</i> , parasite of <i>Mayetiola destructor</i>	71, rev.	1-2	
<i>minutus</i> , parasite of <i>Mayetiola destructor</i>	70	12	11
<i>Polygona monspeliensis</i> , food plant of <i>Tozoptera graminum</i>	93, rev.	11	
<i>Pontia protodice</i> , the southern cabbage butterfly.....	60	6	
<i>rapæ</i> , circular.....	60	3	
remedies.....	60	1-8	1-6
Poplar (see also Cottonwood).			
<i>Carolina</i> , food plant of <i>Eulecanium nigrofasciatum</i>	88	2	
<i>Bryobia pratensis</i>	19, ed. 2	2	
<i>Malacosoma americana</i>	98	2	
<i>Pulvinaria innumerabilis</i>	64	2	
<i>Thyridopteryx ephemeraeformis</i>	97	4	
<i>Populus monilifera</i> . (See Cottonwood.)			
Porter's chess. (See <i>Bromus porteri</i> .)			
<i>Porthetria dispar</i> , means of control.....	58	7-10	
report on conditions in New England, July, 1904.....	58	1-10	1-2
Porto Rico, requirements relative to shipment of nursery stock.....	75, rev. 2	7	
Potato beetle, Colorado. (See <i>Leptinotarsa decemlineata</i> .)			
bug, colloquial name for Colorado potato beetle.....	87	1	
food plant of blister beetles.....	87	3	
<i>Diabrotica 12-punctata</i>	59	3	
<i>Epicauta vittata</i>	87	3	
<i>Leptinotarsa decemlineata</i>	87	1-10	
<i>Pegomya fusciceps</i>	63, ed. 2	2	
of <i>Termes flavipes</i>	50, rev.	6	
<i>Potentilla canadensis</i> , food plant of <i>Anthonomus signatus</i>	21, rev.	2	
Poultry (see also Fowl and Chicken).			
houses, infestation by <i>Cimex lectularius</i>	47, rev.	3	
mites and lice, circular.....	92	1-8	1-6
Powder-post beetles, remedies.....	55	3-5	
injury to seasoned wood products, circular.....	55	1-5	1
<i>Praon cerasaphis</i> , parasite of <i>Macrosiphum pisi</i>	43, ed. 2	5	
"Preussen," colloquial name for <i>Blattella germanica</i>	51, rev.	2	
<i>Primula</i> , food plant of <i>Aleyrodes vaporariorum</i>	57	2	
Privy, box, breeding place of house flies.....	71, rev.	8	
<i>Proctocanthus milbertii</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>Promachus saperdæ</i> = <i>Cenocelcius populator</i>	32, rev. 3	5	
<i>Prune</i> , food plant of <i>Bryobia pratensis</i>	19, ed. 2	2	
Pruning against apple aphides.....	81	9	
<i>Prunus simonii</i> , food plant of <i>Eulecanium nigrofasciatum</i>	88	2	
<i>Psorophora</i> , distinctive characters of adults.			
<i>ciliata</i> , distinctive characters of larva.....	40	4	
synonyms.....	72	1	
<i>howardi</i> , distinctive characters of larva.....	40	7	
<i>Psylla</i> , pear-tree. (See <i>Psylla pyricola</i> .)			
<i>pyricola</i> , circular.....	7	1-8	1-6
remedies.....	7	7-8	
<i>simulans</i> = winter form of <i>Psylla pyricola</i>	7	3	
<i>Pteromalus bimaculatus</i> , parasite of <i>Scolytus rugulosus</i>	29, rev.	5	
<i>sp.</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>puparum</i> , parasite of <i>Pontia rapæ</i>	60	6, 8	5
Publications of the Bureau of Entomology, list, circular.....	76, rev. to Feb. 1, 1910.	1-32	
<i>Pulex irritans</i> , not the common species in houses in the United States.			
<i>serraticeps</i> , general account.....	13	3	
remedies.....	13	3-4	
<i>Pulvinaria acericola</i> , the maple-leaf Pulvinaria.....	13	4	
<i>innumerabilis</i> , circular.....	64	2	
remedies.....	64	1-6	1-4
<i>maculæ</i> , the osage-orange Pulvinaria.....	64	4-6	
<i>Pumpkin</i> (see also Cucurbits).			
food plant of <i>Anasa tristis</i>	39, rev. 2	1	
<i>Diabrotica 12-punctata</i>	59	3	
<i>longicornis</i>	59	7	
<i>vittata</i>	31, rev. 2	2	
<i>Melittia satyriniformis</i>	38, rev. 2	1, 2	
<i>Purslane</i> , food plant of <i>Aphis gossypii</i>	80	5	
<i>Pyrethrum</i> against clover mite.			
cockroaches.....	19, ed. 2	4	
fleas.....	51, rev.	12-13	
house centipede.....	13	4	
imported cabbage worm.....	48	4	
melon aphis.....	60	7-8	
mosquitoes.....	80	9	
silver fish.....	13	1	
striped cucumber beetle.....	49	4	
ineffective against rose-chafers.....	31, rev. 2	7	
strawberry weevil.....	11, rev.	3	
	21, rev.	7	

	Circular No.	Page.	Figure.
Q.			
Quail, enemy of boll weevil.....	27	6	
grasshoppers.....	84	4	
<i>Leptinotarsa decemlineata</i> and chinch bug.....	87	11-12	
QUAINTANCE, A. L., circular, "The Aphides Affecting the Apple".....	81	1-10	1-8
" The Apple-tree Tent Caterpillar (<i>Malacosoma americana</i> Fab.)".....	98	1-8	1-4
Quassia decoctions ineffective against rose-chafers.....	11, rev.	3	
Quedius molochinus, enemy of <i>Leptinotarsa decemlineata</i>	87	11	
Quercus coccinea, food plant of <i>Agrius bilineatus</i>	24, rev.	4	
<i>velutina</i> , food plant of <i>Agrius bilineatus</i>	21, rev.	4	
Quince, food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>Eulecanium nigrofasciatum</i>	88	2	
San Jose scale.....	3	1	
<i>Saperda candida</i>	32, rev. 3	3	
<i>Scolytus rugulosus</i>	29, rev.	2	
<i>Siphocoryne avenæ</i>	81	3	
R.			
Radish, food plant of <i>Murgantia histrionica</i>	10	1-2	
<i>Pegomya brassicae</i>	63, ed. 2	3	
<i>fusciceps</i>	63, ed. 2	2	
<i>Pontia rapæ</i>	60	4	
maggot. (See Maggot, radish, and Maggot, cabbage.)			
Ragweed, food plant of <i>Aphis maidis-radicis</i>	86	6	
<i>Diabrotica longicornis</i>	59	7	
<i>Thyridopteryx ephemeraeformis</i>	97	4	
<i>Toxoptera graminum</i>	93, rev.	6	
Rain. (See Weather.)			
Rape butterfly, colloquial name for <i>Pontia rapæ</i>	60	1	
trap crop for melon aphid.....	80	15	
Raphephilus maculatus, parasite of <i>Scolytus rugulosus</i>	29, rev.	6, 7	5
Raspberry, black-cap, food plant of <i>Anthonomus signatus</i>	21, rev.	2	
food plant of <i>Diabrotica 12-punctata</i>	59	3	
Rats, hydrocyanic-acid gas as remedy.....	46, rev.	2	
Raupeleinim against two-lined chestnut borer.....	24, rev.	7	
Redbud tree. (See <i>Cercis canadensis</i> .)			
cultivated. (See <i>Cercis chinensis</i> .)			
Red bug, colloquial name for harvest mite or "chigger".....	77	1	
coat, colloquial name for <i>Cimex lectularius</i>	47, rev.	2	
spider, confusion with clover mite.....	19, ed. 2	1	
cotton. (See <i>Tetranychus gloveri</i> .)			
spiders on <i>Phytolacca decandra</i> and <i>Xanthium</i> spp.....	65	3	
Redwood, California, not injured by white ants.....	50, rev.	8	
"Reptile," colloquial name for <i>Mermis albicans</i>	62, rev.	2	
Resin wash against aerial form of woolly aphid.....	20, rev.	4	
grape Phylloxera and apple root-louse.....	1	5	
washes against San Jose scale.....	3	7	
as insecticides.....	1	3-5	
Rhizophagus bipunctatus, enemy of <i>Scolytus rugulosus</i>	29, rev.	6	
Rhode Island, requirements relative to shipment of nursery stock.....	75, rev. 2	7	
Rhogas intermedius, parasite of <i>Malecosoma americana</i>	98	5	
Rhubarb, food plant of <i>Diabrotica 12-punctata</i>	59	3	
Rhyncholophus parvus, enemy of <i>Macrosiphum pisi</i>	43, ed. 2	5	
[RILEY, C. V.], circular, "Condensed Information Concerning Some of the More Important Insecticides".....	1	1-7	
"The Hop Plant-louse and the Remedies to be Used Against It".....	2	1-7	1-6
Rivoltella bifurcata on fowls.....	92	4	
Roach. (See Cockroach.)			
Road dust. (See Dust.)			
Robin, enemy of <i>Leptinotarsa decemlineata</i>	87	12	
Robinia pseudacacia. (See Locust, black.)			
Rocky Mountain locust. (See <i>Melanoplus spretus</i> .)			
Rolling against "green bug".....	85	6	
Root borers of strawberry, arsenicals as remedy.....	{ 93, rev.	19	
maggots and how to control them, circular.....	21, rev.	8	
Rose-chafers. (See <i>Macroactylus subspinosus</i> .)	63, ed. 2	1-7	1-5
Rose, food plant of <i>Aleyrodes vaporariorum</i>	57	2	
<i>Diabrotica 12-punctata</i>	59	3	
<i>Macroactylus subspinosus</i>	11, rev.	1-2	
<i>Malecosoma americana</i>	98	2	
<i>Pulvinaria innumerabilis</i>	64	2	
San Jose scale.....	3	1	
Roses, fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
white, attractive to rose-chafers.....	11, rev.	4	
Rumex, food plant of <i>Aphis gossypii</i>	80	5	
"Russen," colloquial name for <i>Blattella germanica</i>	51, rev.	2	
"Rust mite," colloquial name for <i>Tetranychus gloveri</i>	65	1	
Rusts, food of <i>Diabrotica longicornis</i>	59	7	
Rye, food plant of (<i>Cecidomyia</i>) <i>Mayetiola destructor</i>	{ 12, rev.	1	
	70	7	

	Circular No.	Page.	Figure.
Rye, food plant of <i>Diabrotica 12-punctata</i>	59	3, 4	
<i>Siphocoryne avenæ</i>	81	3	
<i>Toxoptera graminum</i>	85	4	
slender wild. (See <i>Elymus striatus</i> .)	93, rev.	2, 5	
S.			
Sabellinæ, distinctive characters of larvæ.....	72	1	
Salteratus. (See Soda.)			
Salt against corn root-aphis.....	86	12	
grass. (See <i>Distichlis spicata</i> .)			
Paris green, and horse droppings against grasshoppers.....	84	9	
water, hot, against nut weevils.....	53	3	
preventive of ill effects from exposure to "chiggers".....	99	10	
Salvia, food plant of <i>Aleyrodes vaporariorum</i>	77	5	
Sand and kerosene against seed-corn maggot.....	57	2	
bur. (See <i>Solanum rostratum</i> .)			
flea. (See <i>Sarcopsylla penetrans</i> .)			
SANDERS, J. G., circular, "The Cottony Maple Scale (<i>Pulvinaria innumerabilis</i> Rathvon)".....	64	1-6	1-4
"The Terrapin Scale (<i>Eulecanium nigrofasciatum</i> Pergande)".....	88	1-4	1-3
Sannina exitiosa, circulars.....	17	1-4	
remedies.....	54	1-6	1
	17	3-4	
	54	3-6	
	54	2	
<i>opalescens</i> , pest on Pacific coast.....	32, rev. 3	1-7	1
<i>Saperda candida</i> , general account.....	32, rev. 3	5-7	
remedies.....	32, rev. 3	7-8	2
<i>cretata</i> , brief account.....	32, rev. 3	8	
remedies.....			
<i>Sarcophaga cimbicis</i> , parasite of grasshoppers.....	84	4	
<i>georgina</i> , parasite of grasshoppers.....	84	4-5	5
<i>hunteri</i> , parasite of grasshoppers.....	84	4	
<i>Sarcopsylla penetrans</i> , the pernicious sand-flea of tropical America.....	77	1	
Scalding against chestnut weevils.....	99	10	
Scale, cottony maple. (See <i>Pulvinaria innumerabilis</i> .)			
insects on citrus trees, hydrocyanic-acid gas as remedy.....	46, rev.	1	
pests in greenhouses and cold frames, hydrocyanic-acid gas as remedy.....	46, rev.	1	
quarantine regulations of New Zealand against introduction.....	41	4	
red. (See <i>Aonidia aurantii</i> .)			
San Jose (<i>Aspidiota perniciosus</i>), an important enemy to fruit trees, circular.....	3	1-10	1-5
quarantine regulations of foreign governments against introduction on American plants, trees, and fruits.....	41	1, 2, 4	
remedies.....	3	6-10	
resin wash as insecticide.....	1	4	
terrapin. (See <i>Eulecanium nigrofasciatum</i> .)			
yellow. (See <i>Aonidia aurantii</i> .)			
"Scaly-leg" of fowls, caused by the "itch mite" <i>Cnemidocoptes mutans</i>	92	3	
<i>Scenopinus fenestralis</i> , in houses, habits.....	35	2-3	
Scent glands of cockroaches.....	71, rev.	2-3	
Scheele's green against apple-tree tent caterpillar.....	51, rev.	5	
Colorado potato beetle.....	98	8	
<i>Schistocerca americana</i> , host of <i>Mermis albicans</i>	87	14	
<i>Schizoneura lanigera</i> (see also Apple root-louse). enemy of apple.....	62, rev.	3	
general account.....	81	1	
remedies.....	20, rev.	1-6	1-2
"Schwaben," colloquial name for <i>Blattella germanica</i>	20, rev.	4-6	
SCHWARZ, E. A., circular, "The Periodical Cicada in 1897".....	51, rev.	2	
"The Periodical Cicada in 1898".....	22	1-4	
Scirpus, food plant of <i>Diabrotica 12-punctata</i>	30	1-3	
Scolytus, orchard. (See <i>Scolytus rugulosus</i> .)	59	4	
<i>rugulosus</i> , circular.....	29, rev.	1-8	1-3
remedies.....	29, rev.	6-8	
Screening against house flies.....	35	5	
mosquitoes.....	71, rev.	5	
Screen, wire, against peach-tree borer.....	13	1	
round-headed apple-tree borer.....	17	3	
Screw-worms, attracted to wounds of North American fever tick on sheep.....	54	3	
<i>Scutigera forceps</i> . (See Centipede, house.)	32, rev. 3	6	
	91	3	

	Circular No.	Page.	Figure.
<i>Scymnus caudalis</i> , enemy of <i>Aphis gossypii</i>	80	6	.....
<i>cervicalis</i> , enemy of <i>Aphis gossypii</i>	80	6	.....
<i>Schizoneura lanigera</i>	20, rev.	6	.....
<i>terminatus</i> , enemy of <i>Aphis gossypii</i>	80	6, 7	3, h, i, j
Seed corn maggot. (See <i>Pegomya fusciceps</i> .)	86	12	.....
treatment before planting, to repel corn root-aphis.....	86	12	.....
<i>Semiotellus chalcidiaphagus</i> . (See <i>Homoporus chalcidiaphagus</i> .)	59	3	.....
<i>Senecio</i> , food plant of <i>Diabrotica 12-punctata</i>	59	3	8
<i>Sepsis violacea</i> in houses.....	71, rev.	3, 6	.....
“Serpent,” colloquial name for <i>Mermis albicans</i>	62, rev.	2	.....
“Seventeen-year locust,” colloquial name for periodical cicada.....	30	1	.....
Shade tree insects, control in cities and towns, circular.....	15	1-14	.....
trees, food plants of <i>Bryobia pratensis</i>	19, ed. 2	1	.....
injury by buffalo tree-hopper.....	23	1-3	.....
Shaking treatment against American and European foul brood.....	79	3	.....
Sharpshooter, glassy-winged. (See <i>Homalodisca coagulata</i> .)	14	5	.....
incorrect name for <i>Anthonomus grandis</i>	{ 18	5	.....
Sheep, host of <i>Boophilus annulatus</i> , circular.....	91	1-3	.....
Shepherd's purse, food plant of <i>Aphis gossypii</i>	80	5	.....
Ship biscuits, destruction by cockroaches.....	51, rev.	5	.....
Shot-borer, colloquial name for <i>Scolytus rugulosus</i>	29, rev.	1	.....
Shrew, short-tailed. (See <i>Blarina brevicauda</i> .)	84	4	.....
Shrike, loggerhead, enemy of grasshoppers.....	73	6	.....
<i>Sigalpus curculionis</i> , parasite of <i>Conotrachelus nenuphar</i>	73	6	.....
var. <i>rufus</i> , parasite of <i>Conotrachelus nenuphar</i>	73	6	.....
<i>tibiator</i> , parasite of <i>Anthonomus signatus</i>	21, rev.	4	.....
Silk, damage by <i>Lepisma saccharina</i>	49	2	.....
Silver fish. (See <i>Lepisma saccharina</i> .)	87	11	.....
<i>Simplicaria nitida</i> , association with <i>Cheilosia alaskensis</i>	61	8	.....
SIMFSON, C. B., circular, “The Yellow-winged Locust (<i>Camnula pellucida</i> Scudd.)”.....	53	1-3	1
<i>Sinea diadema</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	.....
<i>Siphocoryne avenae</i> , enemy of apple.....	81	1	.....
general account.....	81	3-5	2
remedies.....	81	9-10	.....
<i>Siphonophora citrifoliae</i> . (See <i>Aphis citrifoliae</i> .)	87	12	.....
<i>cucurbitae</i> . (See <i>Nectarophora cucurbitae</i> .)	87	3	.....
Sirups, infestation by house ants.....	34, rev.	1	.....
<i>Sitotroga cerealella</i> , the Angoumois grain moth.....	36, rev.	4	.....
“Skein” centipede, colloquial name for <i>Scutigera forceps</i>	48	1	.....
Skins, food of <i>Trichophaga tapetza</i>	36, rev.	5	.....
Skunk, enemy of grasshoppers.....	84	4	.....
<i>Leptinotarsa decemlineata</i>	87	12	.....
“Slug,” colloquial name for larvae of <i>Leptinotarsa decemlineata</i>	87	3	.....
<i>Eriocamptoides limacina</i>	26	1	.....
Slugs of strawberry, arsenicals as remedy.....	21, rev.	8	.....
Smartweed, food plant of <i>Aphis maidis-radicis</i>	86	6	.....
<i>Diabrotica longicornis</i>	59	7	.....
Snake, colloquial name for <i>Mermis albicans</i>	62, rev.	2	.....
enemy of grasshoppers.....	84	4	.....
worm, colloquial name for <i>Mermis albicans</i>	62, rev.	2	.....
Snakes, enemies of <i>Leptinotarsa decemlineata</i>	87	12	.....
Snuffboxes, breeding place of <i>Musca domestica</i>	35	5	.....
Soap and carbolic acid against fruit-tree bark-beetle.....	29, rev.	7	.....
peach-tree borer.....	17	3	.....
round-headed apple-tree borer.....	32, rev. 3	6	.....
caustic potash against round-headed apple-tree borer.....	32, rev. 3	6	.....
London purple against peach-tree borer.....	17	4	.....
Paris green against peach-tree borer.....	17	4	.....
washing soda against round-headed apple-tree borer.....	32, rev. 3	6	.....
carbolic acid, Paris green, lime, and clay against peach-tree borer.....	{ 17	4	.....
fish-oil (see also Soap, whale-oil). against fruit-tree bark-beetle.....	{ 54	4	.....
hop plant-louse.....	29, rev.	7	.....
round-headed apple-tree borer.....	2	5-6	.....
solutions against melon aphis.....	32, rev. 3	6	.....
squash bugs.....	80	13-14	.....
wash against fruit-tree bark-beetle.....	80	16	.....
pear slug.....	29, rev.	7	.....
treatment against San Jose scale.....	26	6	.....
washes against two-lined chestnut borer.....	42, ed. 5	4	.....
woolly aphis.....	24, rev.	7	.....
whale-oil (see also Soap, fish-oil). against apple aphis.....	20, rev.	4, 5-6	.....
cottony maple scale.....	81	9, 10	.....
fruit-tree bark-beetle.....	64	5	.....
greenhouse white fly.....	29, rev.	5	.....
round-headed apple-tree borer.....	57	9	.....
“green bug”.....	32, rev. 3	6	.....
ineffective against strawberry weevil.....	93, rev.	7, 19	.....
suds, hot, against fleas.....	21, rev.	7	.....
	13	4	.....

	Circular No.	Page.	Figure.
Soapy water against itch mite of fowls.....	92	4	
preventive of ill effects from exposure to "chiggers".....	77	5	
Soda and arsenite of lime against Colorado potato beetle.....	87	14	
soap against round-headed apple-tree borer.....	32, rev. 3	6	
remedy for "chiggers".....	77	6	
<i>Solanum cornutum</i> , probable food plant of <i>Leptinotarsa decemlineata</i>			
<i>neata</i>	87	8	
<i>rostratum</i> , food plant of <i>Leptinotarsa decemlineata</i>	87	3	
Soldier bug, armed. (See <i>Podisus spinosus</i> .)			
bordered. (See <i>Stiretrus anchorago</i> .)			
Solidago. (See Goldenrod.)			
Soot against root form of woolly aphid.....	20, rev.	4	
<i>Sorbus aucuparia</i> , food plant of <i>Aphis sorbi</i>	81	7	
<i>domestica</i> , food plant of <i>Aphis sorbi</i>	81	7	
<i>terminalis</i> , food plant of <i>Aphis sorbi</i>	81	7	
Sorghum, food plant of <i>Aphis maidis</i>	86	1, 2	
<i>Diabrotica longicornis</i>	59	7	
<i>Diatraea saccharalis</i> [larger corn stalk-borer].....	16	3	
<i>Toxoptera graminum</i>	85	4	
South Carolina, requirements relative to shipment of nursery stock.....	75, rev. 2	7	
Dakota, requirements relative to shipment of nursery stock.....	75, rev. 2	7	
"Spanier," colloquial name for <i>Blattella germanica</i>	51, rev.	2	
Sparrow, chipping, enemy of <i>Malacosoma americana</i>	98	6	
English, enemy of <i>Leptinotarsa decemlineata</i>	87	12	
<i>Spartinum scoparium</i> , food plant of <i>Hylastinus obscurus</i>	64	3	
<i>Spathius pallidus</i> , parasite of <i>Chrysobothris femorata</i>	32, rev. 3	11	
<i>simillimus</i> , parasite of <i>Agrylus bilineatus</i>	24, rev.	5	
Spelt, food plant of <i>Toxoptera graminum</i>	85	4	
<i>Sphaerophoria cylindrica</i> , enemy of <i>Macrosiphum pisi</i>	43, ed. 2	5	
<i>Sphecius speciosus</i> , range extending northward.....	97	2	
Sphenophorus, resistant to cyanid fumes.....	36, rev.	2	
Sphinx, catalpa. (See <i>Ceratomia catalpae</i> .)			
<i>catalpae</i> , same as <i>Ceratomia catalpae</i>	96	1	
Spice bush. (See <i>Benzoin benzoin</i> .)			
Spider plant. (See Cleome.)			
Spiders, enemies of <i>Leptinotarsa decemlineata</i>	87	11	
<i>Schizoneura lanigera</i>	20, rev.	6	
Spike-grass, marsh. (See <i>Distichlis spicata</i> .)			
<i>Spitochalcis mariae</i> , parasite of <i>Thyridopteryx ephemeraeformis</i>	97	7	8
<i>Spilocryptus extrematus</i> , parasite of <i>Malacosoma americana</i>	98	5	
Spinach, food plant of <i>Aphis gossypii</i>	80	5	
Spiraea, flowers, food of <i>Anthrenus scrophulariae</i>	5, rev.	2	
Spiræas, food plants of <i>Macrodactylus subspinosus</i>	11, rev.	4	
<i>Spirocheta apis</i> =giant whips of <i>Bacillus larva</i>	94	3-4	
<i>Sporotrichum globuliferum</i> , fungous disease of grasshoppers.....	84	5-7	7
Spraying apparatus. (See Insecticide apparatus.)			
Spruce, destruction by <i>Dendroctonus frontalis</i>	24, rev.	1	3
host tree of <i>Pissodes strobi</i>	90	3	
Sitka, host tree of <i>Paraharmonia piceae</i>	61	9	
Sitka spruce bark maggot (probably <i>Chelonus</i> sp.).....	61	9, 10	
Squash (see also Cymbling and Cucurbits).			
aphis. (See <i>Nectarophora cucurbitae</i> .)			
bug. (See <i>Anasa tristis</i> .)			
black. (See <i>Anasa tristis</i> .)			
food plant of <i>Anasa tristis</i>			
<i>Diabrotica 12-punctata</i>	39, rev. 2	1	
<i>longicornis</i>	59	2, 3	
<i>vittata</i>	59	7	
<i>Melitta satyriniformis</i>	31, rev. 2	1	
Hubbard, food plant of <i>Diabrotica vittata</i>	33, rev. 2	1, 2	
marrow, food plant of <i>Diabrotica vittata</i>	31, rev. 2	2	
vine borer. (See <i>Melitta satyriniformis</i> .)	31, rev. 2	2	
Stable fly. (See <i>Cyrtoneurus stabulans</i> , <i>Muscina stabulans</i> , and <i>Stomoxys calcitrans</i> .)			
<i>Stagmomantis carolina</i> , range extending northward.....	97	2	
Stalk-borer, larger corn. (See <i>Diatraea saccharalis</i> .)			
Starch, eaten by <i>Lepisma saccharina</i>	49	1, 2	
Steam against carpet beetle.....	5, rev.	4	
powder-post beetles.....	55	4	
Stegomyia calopus, distinctive characters of larva.....	72	5	
<i>Stenanthium lindenii</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
<i>Stenomesius aphidicola</i> , parasite of <i>Aphis gossypii</i>	80	6	
Sticky fly paper against house flies.....	35	5	
<i>Stictonotus isosomatis</i> , parasite of <i>Isosoma tritici</i>	{ 71, rev.	5	
Stink bug, common name for <i>Anasa tristis</i>	66, rev.	4	
Stipa, green. (See <i>Stipa viridula</i> .)	39, rev. 2	1	
<i>viridula</i> , food plant of <i>Toxoptera graminum</i>	93, rev.	6	
<i>Stiretrus anchorago</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>Stomoxys calcitrans</i> in houses, mistaken for <i>Musca domestica</i>	35	1	2
Stored foods, drugs, and vegetables, eaten by <i>Lepisma saccharina</i>	{ 71, rev.	1, 2	
	49	1, 2	

	Circular No.	Page.	Figure.
Straw barriers against fruit-tree bark-beetle.....	29, rev.	7	
peach-tree borer.....	17	3	
peach-tree borer.....	54	3	
Strawberry crown-girdler. (See <i>Otiorhynchus ovatus</i> .)			
food plants of <i>Aleyrodes packardi</i>	57	4	
<i>Anthonomus signatus</i>	21, rev.	1-5	
<i>Aphis gossypii</i>	80	5	
slugs, arsenicals as remedy.....	21, rev.	8	
varieties preferred as food plants by <i>Anthonomus signatus</i>	21, rev.	1, 2, 6	
weevil. (See <i>Anthonomus signatus</i> .)			
white fly. (See <i>Aleyrodes packardi</i> .)			
wild, food plant of <i>Anthonomus signatus</i>	21, rev.	2	
“Striped bug,” colloquial name for <i>Diabrotica vittata</i>	31, rev. 2	1	
<i>Stylopyga orientalis</i> . (See <i>Blatta orientalis</i> .)			
Submersion in water against pin borers in cypress and gums.....	82	4	
Sugar and borax against ants.....	34, rev.	4	
Sugar cane borer. (See <i>Diatraea saccharalis</i> .)			
food plant of <i>Diatraea saccharalis</i>	16	1, 3	
Sugars, infestation by house ants.....	34, rev.	1	
Sulphate of copper and lime ineffective against strawberry weevil.....	21, rev.	7	
potash against seed-corn maggot.....	63, ed. 2	3	
Sulphur (see also Brimstone).			
against cockroaches.....	51, rev.	12	
cotton red spider.....	65	4	
“green bug”.....	93, rev.	19	
and flour against cotton red spider.....	65	4	
lime against chicken mite.....	92	3	
common hen louse.....	92	6	
oils against ox warble.....	25	8	
plaster of Paris against cotton red spider.....	65	4	
road dust against cotton red spider.....	65	4	
vaseline, preventive of ill effects from exposure to “chiggers”.....	77	5	
dioxide against carpet beetle.....	5, rev.	4	
fumigation against bedbug.....	47, rev.	7	
ointment against itch mite of fowls.....	92	4	
preventive of ill effects from exposure to “chiggers”.....	77	5	
Sumac, food plant of <i>Macrodactylus subspinosus</i>	11, rev.	4	
Sunflower, food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>longicornis</i>	59	7	
<i>vittata</i>	31, rev. 2	2	
wild, food plant of <i>Diabrotica 12-punctata</i>	59	3	
Sunlight against chicken mite.....	92	3	
clothes moths.....	36, rev.	6	
Swallows, cliff or eaves, host of <i>Cimex</i> sp.....	47, rev.	3	
Sweets, infestation by house ants.....	34, rev.	1	
Switzerland, laws relative to importation of American plants, trees, and fruits.....	41	4	
Sycamore, food plant of <i>Chrysobothris femorata</i>	32, rev. 3	9	
<i>Eulecanium nigrofasciatum</i>	88	2	
<i>Pulvinaria innomerabilis</i>	64	2	
<i>Syphoctonus maculifrons</i> , parasite of <i>Cheilosia alaskensis</i>	61	7-8	
<i>Syrphus americanus</i> , enemy of <i>Aphis gossypii</i>	61	9	
<i>Macrosiphum pisi</i>	80	6	
fly larvæ, enemies of aphides.....	43, ed. 2	5	
<i>ribesii</i>	81	8	
	80	8	4
T.			
Tachina flies, enemies of canker-worms.....	9	2	
fly, red-tailed. (See <i>Nemorza leucaniae</i> .)			
<i>Teniorhynchus perturbans</i> , distinctive characters of larva.....	72	3	
Tanager, scarlet, enemy of <i>Leptinotarsa decemlineata</i>	87	12	
Tapestry moth. (See <i>Trichophaga tapetzella</i> .)			
Tar against white ants.....	50, rev.	7	
paper against carpet beetle.....	5, rev.	3	
clothes moths.....	36, rev.	6	
fruit-tree bark-beetle.....	29, rev.	7	
two-lined chestnut borer.....	24, rev.	6	
cards against cabbage maggot.....	63, ed. 2	5-6	3-5
Tares, food plants of <i>Macrosiphum pisi</i>	43, ed. 2	4	
Tea, New Jersey. (See <i>Ceanothus</i> .)			
<i>Telenomus clytiocampæ</i> , parasite of <i>Malacosoma americana</i>	98	5	
<i>Telephorus bilineatus</i> , enemy of <i>Hylastinus obscurus</i>	67	4	
Temperature (see also Weather).			
extremes as limiting distribution of <i>Leptinotarsa decemlineata</i>	87	6-7	
in relation to <i>Toxoptera graminum</i>	93, rev.	3-5	
Tennessee, requirements relative to shipment of nursery stock.....	75, rev. 2	7	
Tent caterpillar, apple-tree. (See <i>Malacosoma americana</i> .)			
caterpillars. (See <i>Malacosoma</i> spp.)			
<i>Tenthredo cerasi</i> , distinct from <i>Eriocampoides limacina</i>	26	2	

	Circular No.	Page.	Figure.
<i>Tenthredo limacina</i> = <i>Eriocampoides limacina</i>	26	2	.....
<i>Termites</i> <i>flavipes</i> . (See Ant, white.)	50, rev.	4	.....
<i>lucifugus</i> in America.....	87	11	.....
<i>Tetracha virginica</i> , enemy of <i>Leptinotarsa decemlineata</i>	80	1	.....
<i>Tetramorium caespitum</i> , feeding on honeydew from <i>Aphis gossypii</i>	34, rev.	3-4	3
general account.....	34, rev.	4	.....
remedies.....	65	1-5	1-2
<i>Tetranychus gloveri</i> , circular.....	65	4-5	.....
remedies.....	65	5	.....
<i>Tetrastichus microgaster</i> , secondary parasite of <i>Pontia rapa</i>	29, rev.	6	.....
<i>scolytii</i> , secondary parasite of <i>Scolytus rugulosus</i>	69	6	.....
spp., parasites of <i>Dasyneura leguminicola</i>	8, rev.	4	.....
<i>xanthomelana</i> , parasite of <i>Galerucella luteola</i>	75, rev. 2	7-8	.....
Texas, requirements relative to shipment of nursery stock.....	75, rev. 2	7-8	.....
<i>Thanasimus</i> sp., enemy of <i>Scolytus rugulosus</i>	29, rev.	6	.....
<i>Thecobaldia incidunt</i> , distinctive characters of larva.....	72	4	.....
<i>Thermobia domestica</i> . (See <i>Lepisma domestica</i> .)	75, rev. 2	7-8	.....
<i>furnorum</i> . (See <i>Lepisma domestica</i> .)	75, rev. 2	6	.....
<i>Theronia melanocephala</i> , parasite of <i>Malacosoma americana</i>	98	6	.....
<i>Thersitochus conotrichelus</i> , parasite of <i>Conotrichelus nenuphar</i>	73	6	.....
Thistle, flowers frequented by butterflies of <i>Pontia rapa</i>	60	4	.....
food plant of <i>Diabrotica longicornis</i>	59	7	.....
<i>Leptinotarsa decemlineata</i>	87	8	.....
Thorn, food plant of <i>Malacosoma americana</i>	98	2	.....
<i>Saperda cretata</i>	32, rev. 3	8	.....
white. (See <i>Crataegus oxyacantha</i> .)	32, rev. 3	3	.....
Thorns, food plants of <i>Saperda candida</i>	48	1	.....
“Thousand legs,” colloquial name for <i>Scutigera forceps</i>	46, rev.	1	.....
Thrips, hydrocyanic-acid gas as remedy.....	80	12	.....
in greenhouses, remedies.....	68	1	.....
onion. (See <i>Thrips tabaci</i> .)	68	1	.....
<i>tabaci</i> , the onion thrips, not found on tobacco in United States.....	68	1	.....
tobacco. (See <i>Euthrips nicotianae</i> .)	68	1	.....
wheat. (See <i>Euthrips tritici</i> .)	68	1	.....
Thrush, hermit, enemy of <i>Leptinotarsa decemlineata</i>	87	12	.....
olive-backed, enemy of <i>Leptinotarsa decemlineata</i>	87	12	.....
wood, enemy of <i>Leptinotarsa decemlineata</i>	87	12	.....
<i>Thyridopteryx ephemeraeformis</i> . (See Bagworm.)	.....	.....	.....
<i>Tibicen septendecim</i> . (See Cicada, periodical.)	.....	.....	.....
Tick, chicken. (See <i>Argas miniatius</i>.)	.....	.....	.....
erroneous name for harvest mite or “chigger”.....	77	1	.....
North American fever. (See <i>Boophilus annulatus</i> .)	77	1	.....
Timber beetles, injury to girdled cypress.....	82	1	.....
Timothy, food plant of <i>Leucania unipuncta</i>	4	1	.....
<i>Mayetiola destructor</i> or related species.....	70	7	.....
<i>Tinea pellionella</i> , general account.....	36, rev.	2-4	1
remedies.....	36, rev.	5-8	.....
<i>Tineola biselliella</i> , general account.....	36, rev.	4-5	2
remedies.....	36, rev.	5-8	.....
<i>TITUS</i> , E. S. G., circular “The Cotton Red Spider (<i>Tetranychus gloveri</i> Bks.)”.....	65	1-5	1-2
Toad, enemy of grasshoppers.....	84	4	.....
<i>Leptinotarsa decemlineata</i>	87	12	.....
<i>Malacosoma americana</i>	98	6	.....
Tobacco against aphides, etc.....	37, rev. 2	1	.....
apple aphides.....	81	10	.....
clothes moths.....	36, rev.	6	.....
common hen louse.....	92	6	.....
“green bug”.....	93, rev.	6	.....
greenhouse white fly.....	57	8, 9	.....
melon aphis.....	80	10-13	.....
striped cucumber beetle.....	31, rev. 2	7	.....
woolly aphis.....	20, rev.	4, 5	.....
and soapsuds against “green bug”.....	93, rev.	6	.....
budworms. (See <i>Chloridea virescens</i> and <i>Heliothis obsoleta</i> .)	59	3	.....
food plant of <i>Diabrotica 12-punctata</i>	59	3	.....
<i>Euthrips nicotianae</i>	68	1-2	.....
<i>Leptinotarsa decemlineata</i>	87	8	.....
ineffective against rose-chafer.....	11, rev.	3	.....
strawberry weevil.....	21, rev.	7	.....
thrips. (See <i>Euthrips nicotianae</i> .)	68	1-2	.....
“white veins” caused by <i>Euthrips nicotianae</i>	68	1-2	.....
Tomato, food plant of <i>Aleyrodes vaporariorum</i>	{ 37, rev. 2	4	.....
<i>Aphis gossypii</i>	57	1, 2	.....
<i>Diabrotica 12-punctata</i>	80	5	.....
<i>Leptinotarsa decemlineata</i>	59	3	.....
Tomatoes, fumigation with hydrocyanic-acid gas.....	{ 37, rev. 2	4	.....
<i>Toxoptera graminum</i> , circulars.....	{ 93, rev.	1-7	1-3
experiments with remedies.....	93, rev.	1-22	1-10
remedies.....	{ 93, rev.	6-7	.....
	85	6-7	.....
	93, rev.	19-21	19-21

	Circular No.	Page.	Figure.
Trapping against boll weevil.....	56	3-4	
cockroaches.....	51, rev.	13-14	
squash bug.....	39, rev.	4	
Trap crops against buffalo tree-hopper.....	23	4	
harlequin cabbage bug.....	10	2	
Hessian fly.....	12, rev.	4	
imported cabbage worm.....	60	8	
melon aphis.....	80	15	
rose-chafer.....	11, rev.	4	
strawberry weevil.....	21, rev.	5	
useless against chestnut weevils.....	99	9	
leaves against imported cabbage worm.....	60	8	
plants against boll weevil.....	14	6, 8	
striped cucumber beetle.....	18	6-7	
trees against two-lined chestnut borer.....	95, rev.	5-6	
felled, against ambrosia beetles in cypress.....	31, rev. 2	5-6	
flat-headed apple-tree borer.....	24, rev.	6	
Traps against fruit-tree bark-beetle.....	82	3-4	
squash-vine borer.....	32, rev. 3	11	
Tree-hopper, buffalo. (See <i>Ceresa bubalus</i> .)	29, rev.	7	
Trees, living, eaten by <i>Termes flavipes</i>	38, rev. 2	5	
<i>Trichasis rufipes</i> , probable parasite of <i>Balaninus proboscideus</i> and <i>B. rectus</i>	50, rev.	5-6	
<i>Trichopaga tapetzella</i> , general account.....	99	6	
remedies.....	36, rev.	5	3
<i>Trichopoda pennipes</i> , parasite of <i>Anasa tristis</i>	36, rev.	5-8	
<i>Trifolium hybridum</i> . (See Clover, mammoth.)	39, rev. 2	4	
medium. (See Clover, mammoth.)			
pratense. (See Clover, red.)			
<i>Trioxys testaceipes</i> , parasite of <i>Aphis gossypii</i>	80	6	
<i>Tripsacum dactyloides</i> , food plant of <i>Diatraea saccharalis</i> (corn stalk-borer).....	16	3	
<i>Trissolcus murgantiae</i> , parasite of <i>Murgantia histrionica</i>	10	2	
Trombiculidium, <i>Lepidus</i> a synonym.....	77	2	
<i>locustarum</i> , enemy of grasshoppers.....	84	4	
sp.	77	1, 3	1, 3
Tubers, starchy, food of cockroaches.....	51, rev.	3	
Tulip, possible food plant of <i>Chrysobothris femorata</i>	32, rev. 3	10	
Turkey, enemy of boll weevil.....	27	5	
Turkey, laws relative to importation of American plants, trees, and fruits.....	41	4	
Turnip, food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>Pegomya fusciceps</i>	63, ed. 2	2	
<i>Pontia rapæ</i>	60	4	
Turpentine against bedbug.....	47, rev.	7	
ox warble.....	25	9	
striped cucumber beetle.....	31, rev. 2	7	
and gypsum against squash bug.....	39, rev. 2	5	
land plaster against squash bug.....	59, rev. 2	5	
Tussock moth, white-marked (<i>Hemerocampa leucostigma</i>), control.....	15	3, 4	
host of <i>Pimpla inquisitor</i>	97	6	
shade-tree pest.....	97	1	
Tweezers for removal of ox warble.....	25	9	
Typhoid fever, carriage by house fly.....	35	8	
fly, proposed as a better name for <i>Musca domestica</i>	71, rev.	8	
	71, rev.	[11]	
U.			
<i>Ulmus americana</i> notably exempt from attack of <i>Galerucella luteola</i>	8, rev.	3	
Uranotænia, distinctive characters of larvae.....	72	3	
<i>saphirina</i>	72	3	
<i>Uropoda americana</i> , enemy of <i>Leptinotarsa decemlineata</i>	87	11	
<i>Urosigalpus armatus</i> , parasite of <i>Balaninus proboscideus</i> and <i>B. rectus</i>	99	6	
Utah, requirements relative to shipment of nursery stock.....	75, rev.	8	
V.			
<i>Vaccinium</i> sp., food plant of <i>Eulecanium nigrofasciatum</i>	88	2	
Vaseline and sulphur, preventive of ill effects from exposure to "chiggers".....	77	5	
preventive of ill effects from exposure to "chiggers".....	77	5	
Vermont, requirements relative to shipment of nursery stock.....	75, rev. 2	8	
Vetches, food plants of <i>Macrostiphum pisii</i>	43, ed. 2	4	
Violet, food plant of <i>Aphis gossypii</i>	80	5	
Violets, fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	
Vireo, red-eyed, enemy of <i>Malacosoma americana</i>	98	6	
Virginia creeper, food plant of <i>Pulvinaria innumerabilis</i>	64	2	
requirements relative to shipment of nursery stock.....	75, rev. 2	8	

	Circular No.	Page.	Figure.
W.			
“Wall louse,” colloquial name for <i>Cimex lectularius</i>	47, rev.	2	
paper, damage by cockroaches.....	51, rev.	6	
“Warbled stock,” meaning of term.....	25	1	
Warbler, yellow, enemy of <i>Malacosoma americana</i>	98	6	
Washington [State], requirements relative to shipment of nursery stock.....	75, rev. 2	8	
Wasp, larger digger. (See <i>Sphecius speciosus</i> .)			
mimicked by <i>Sannina exitiosa</i>	{ 17	1	
Wasps, enemies of canker-worms.....	{ 54	1	
feeding on honeydew from aphides.....	9	2	
Water against cotton red spider.....	80	1	
melon aphid.....	65	5	
boiling, against elm leaf-beetle.....	80	14	
bug, colloquial name for <i>Blattella germanica</i>	8, rev.	6	
hot, against ants.....	51, rev.	1	
bedbug.....	34, rev.	4	
box-elder plant-bug.....	47, rev.	7	
carpet beetle.....	28	3	
chestnut weevils.....	5, rev.	3	
imported cabbage worm.....	99	10	
peach-tree borer.....	60	7	
woolly aphid.....	54	5	
ineffective against rose-chafers.....	20, rev.	4-5, 6	
preventive of ill effects from exposure to “chiggers”.....	11, rev.	3	
oak, probable food plant of <i>Tetranychus gloveri</i>	77	5	
submersion against pine borers in cypress.....	65	3	
test against chestnut weevils unreliable.....	82	4	
Watermelon (see also Melons and cucurbits.)	99	9	
food plant of <i>Diabrotica 12-punctata</i>	59	3	
<i>vittata</i>	31, rev. 2	2	
Weather (see also Temperature.)			
in relation to <i>Mayetiola destructor</i>			
<i>Toxoptera graminum</i>	70	10	
WEBSTER, F. M., circular, “Some Insects Affecting the Production of Red Clover Seed”.....	85	5-6	
“ <i>The Clover Root-borer (Hylastinus obscurus Marsham)</i> ”.....	69	1-9	1-8
“ <i>The Corn Leaf-aphis and Corn Root-aphis</i> ”.....	67	1-5	1-4
“ <i>The Grasshopper Problem and Alfalfa Culture</i> ”.....	86	1-13	1-4
“ <i>The Hessian Fly (Mayetiola [Cecidomyia] destructor Say)</i> ”.....	84	1-10	1-8
“ <i>The Joint-worm (Isosoma tritici Fitch)</i> ”.....	70	1-16	1-16
“ <i>The Slender Seed-corn Ground-beetle (Civina impressifrons Lec.)</i> ”.....	66, rev.	1-7	1-6
“ <i>The Spring Grain-aphis (Toxoptera graminum Rond.)</i> ”.....	78	1-6	1-2
“ <i>The Spring Grain-aphis or so-called ‘Green Bug’ (Toxoptera graminum Rond.)</i> ”.....	85	1-7	1-3
Websterellus tritici, parasite of <i>Isosoma tritici</i>	93, rev.	1-22	1-10
Webworm, fall (<i>Hyphantria cunea</i>), control.....	66, rev.	4	
on catalpa.....	15	3, 4	
shade-tree pest.....	96	1	
Weeds, eradication against Colorado potato beetle.....	97	1	
Weevil, acorn, mistaken for boll weevil.....	87	15	
clover-leaf. (See <i>Phytomyzus punctatus</i> .)	27	5	
hazelnut. (See <i>Balaninus obtusus</i> .)			
larger chestnut. (See <i>Balaninus proboscideus</i> .)			
lesser chestnut. (See <i>Balaninus rectus</i> .)			
Mexican cotton-boll (<i>Anthonomus grandis</i>), general circulars.....	{ 6	1-5	1-3
in 1897, circular.....	14	1-8	
most important remedy, circulars.....	18	1-8	
remedy, circulars.....	27	1-7	
remedies, circular.....	56	1-7	
remedies, circular.....	95, rev.	1-8	
remedies, circular.....	33	1-6	
pecan. (See <i>Balaninus caryae</i> .)			
white pine. (See <i>Pissodes strobi</i> .)			
West Indian peach scale. (See <i>Diaspis pentagona</i> .)	52, ed. 2	2	
Virginia, requirements relative to shipment of nursery stock.....	75, rev. 2	8	
Wharves, destruction by white ants.....	50, rev.	1	
Wheat, durum or macaroni, not attractive to Hessian fly.....	70	10	
food plant of (<i>Cecidomyia</i>) <i>Mayetiola destructor</i>	{ 12, rev.	1, 2-3	
chinch bug.....	70	1-10	
<i>Diabrotica 12-punctata</i>	70	1	
<i>Isosoma tritici</i>	59	3, 4	
<i>Leucania unipuncta</i>	66, rev.	1-4	
	4	1	

	Circular No..	Page.	Figure.
Wheat, food plant of <i>Macrodactylus subspinosis</i>	11, rev.	2	.....
<i>Siphocoryne avenae</i>	81	4	.....
<i>Toxoptera graminum</i>	85 93, rev.	4 2, 5	.....
grass, slender. (See <i>Agropyron tenerum</i> .)			
midge. (See <i>Contarinia tritici</i> .)			
thrips. (See <i>Euthrips tritici</i> .)			
varieties resistant to Hessian fly.....	12, rev.	4	.....
volunteer, destruction in control of Hessian fly.....	70	15	.....
Wheel bug. (See <i>Arilus cristatus</i> .)			
White fly, greenhouse. (See <i>Aleyrodes vaporariorum</i> .)			
hydrocyanic-acid gas as remedy.....	46, rev.	1	.....
orange. (See <i>Aleyrodes citri</i> .)			
strawberry. (See <i>Aleyrodes packardi</i> .)			
WHITE, G. F., circular, "The Cause of American Foul Brood".....	94	1-4	.....
"White veins" in wrapper tobacco the work of <i>Euthrips nicotianae</i>	68	1-2	.....
Whitewash and carbolic acid against chicken mite.....	92	3	.....
Willow, food plant of <i>Chrysobothris femorata</i>	32, rev. 3	9	.....
<i>Malacosoma americana</i>	98	2	.....
<i>Pulvinaria innumerabilis</i>	64	2	.....
injury by <i>Ceresa bubalus</i>	23	2	.....
Wilt disease of cucurbits, cotton, and cowpeas, bacterial. (See <i>Bacillus tracheiphilus</i> and <i>Neocosmospora vasinfecta</i> .)			
Window fly. (See <i>Scenopinus fenestralis</i> .)			
Wire gauze (see also Screen, wire).			
barriers against round-headed apple-tree borer.....	32, rev. 3	6	.....
Wisconsin, requirements relative to shipment of nursery stock.....	75, rev. 2	8-9	.....
Witch-hazel, food plant of <i>Malacosoma americana</i>	98	2	.....
Woodpecker, red-headed, enemy of grasshoppers.....	84	4	.....
Woodpeckers, enemies of <i>Chrysobothris femorata</i>	32, rev. 3	11	.....
<i>Pissodes strobi</i>	90	7	.....
<i>Saperda candida</i>	32, rev. 3	5	.....
Wood, seasoned, injury by powder-post beetles, circular.....	55	1-5	1
Woods, ALBERT F., circular, "The Use of Hydrocyanic-acid Gas for Fumigating Greenhouses and Cold Frames".....	37, rev. 2	1-11	1-3
and DORSETT, P. H., circular, "The Use of Hydrocyanic-acid Gas for Fumigating Greenhouses and Cold Frames".....			
Woolens, food of <i>Anthrenus scrophulariae</i>	37, rev. 5, rev.	1-10	1-3
<i>Tinea pellionella</i>	1		.....
<i>Tineola biselliella</i>	36, rev.	3, 4	.....
<i>Trichophaga tapetella</i>	36, rev.	4	.....
gnawed by cockroaches.....	36, rev.	5	.....
<i>Woolly aphis</i> . (See <i>Schizoneura lanigera</i> .)	51, rev.	4	.....
apple louse. (See <i>Schizoneura lanigera</i> .)			
"Worms," colloquial name for chestnut-weevil larvæ.....	99	2	.....
<i>Wyeomyia smithii</i> , distinctive characters of larva.....	72	1	.....
Wyoming, requirements relative to shipment of nursery stock.....	75, rev. 2	9	.....
X.			
<i>Xanthium</i> spp. (See Cocklebur.)			
<i>Xanthosoma lindenii</i> , fumigation with hydrocyanic-acid gas.....	37, rev. 2	3	.....



UNIVERSITY OF FLORIDA



3 1262 09228 3612